

# The CHEMIST AND DRUGGIST

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AUGUST 6 1960

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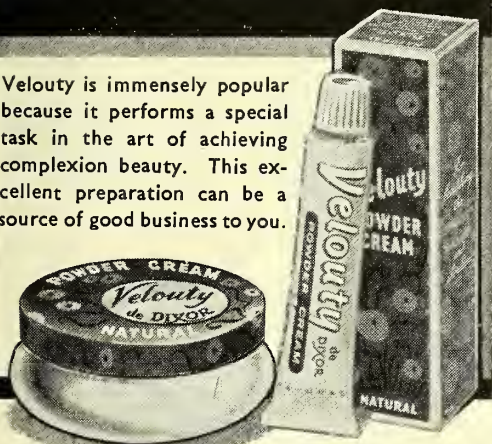


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# THE CHEMIST AND DRUGGIST

ESTABLISHED 1859

The weekly newspaper for pharmacy and all sections of the drug, pharmaceutical and fine chemical, cosmetic, and allied industries

*Official organ of the Pharmaceutical Society of Ireland and the Pharmaceutical Society of Northern Ireland*

Volume 174

August 6, 1960

No. 4199

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PUBLISHED BY

**MORGAN BROTHERS (PUBLISHERS), LTD.,**  
 at 28 Essex Street, Strand, London, W.C.2

Telephone: Central 6565

Telegrams: Chemicus, Estrand, London

WOLVERHAMPTON: 89 Woodland Avenue, Tettenham Wood.  
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# The CHEMIST AND DRUGGIST

Volume 174

AUGUST 6, 1960

No. 4199

## Dundee College

### M.P. AND PHARMACY DEPARTMENT CLOSURE

URGENT representations have been made by Mr. George Thomson (M.P. for Dundee East) to the Scottish Office about the closing of the pharmacy department of Dundee Technical College from the beginning of the 1960-61 session (see *C. & D.*, July 23, p. 95).

In a letter to Mr. Niall Macpherson (Joint Under-secretary of State) he says "I think it would be most unfortunate if this long-established pharmaceutical department should be removed from the Dundee College and that prospective students should have to go to Aberdeen or Edinburgh. But I must say I think it is utterly indefensible that this decision should be taken at the end of June, closing a course from the beginning of the autumn session. It puts parents in a quite impossible position with regard to planning the further education of their children. I hope that something can be done even at this late stage to ensure the continuation of this course for a further session, pending future discussion."

### Examination Results

#### SCOTTISH SUCCESSES

THE following candidates were successful in the Intermediate examination (old regulations) held by the Pharmaceutical Society in Scotland in June:—

ARGUMENT, A. B., Anfield Plain; FRASER, R. U., Boat-of-Garten; GLENDENING, J. I., Sacriston; GORMAN, L. G., Saltburn by Sea; HERBERT, S., Sunderland; HOOPER, Nora, Grimsby; JOHNSON, J. R., Nottingham; JOHNSTONE, R., Glasgow; KINGHAM, B., Stockport; PALMER, G., Rotherham; PEARSON, Margaret, Middlesbrough; RICHARDSON, J., Redcar; THACKRAY, J. C. A., Leicester; TRUEMAN, B., Newcastle-on-Tyne; WALKER, M. J., Barton-on-Humber; WARD, G. H., Consett.

The following were successful in part 1 of the Pharmaceutical Chemist Qualifying examination (new regulations) held by the Pharmaceutical Society in Scotland in June (A = pharmacognosy; B = pharmaceutical chemistry; C = physiology):—

BANDERKER, S. O. (A, B), Earls Court; BARRON, Margaret P. (A, B, C), Doncaster; BETT, J. M. (A, B), St. Monance; CAMERON, A. (A, B, C), Lochgelly; CHISHOLM, Lindsay B. (A, B, C), Aberdeen; DIACK, G. G. D. (A, B, C), Bucksburn; DURNIN, Josephine C. R. (B), Aberdeen; FORRESTER, D. H. (A, B, C), Forres; JARVIS, J. C. (C), Carnforth; JUSTICE, Doreen C. (B, C), Aberdeen; MACFADYEN, I. R. (B, C), Dundee; McEWEN, W. G.

(A, B, C), Inverness; RIFAT, M. H. (A, B, C), Edinburgh; PRATT, I. G. (A, C), Keith; SHORT, Judith C. (A, B, C), Windygates; SMITH, I. M. (C), Newmachar; STARK, Isobel H. (A, B, C), Dundee; STEVENSON, Alice M. (A, B, C), Aberdeen; SUTHERLAND, Sheila M. (A, B, C), Penicuik; THOMPSON, Janet C. (A, B, C), Lossiemouth.

### A New Oral Penicillin?

#### ON TRIAL AGAINST STAPHYLOCOCCI

DETAILS of a new synthetic penicillin which is understood to be currently under trial against resistant staphylococci are expected to be published during September. That was hinted at by Mr. H. G. Lazell (chairman of the Beecham Group) when he told shareholders at the group's recent annual general meeting that clinical evaluation of further new antibiotics was proceeding and that he hoped very shortly to announce the introduction of one which "promises to make a dramatic contribution to medicine." Earlier in his annual statement Mr. Lazell referred to synthetic penicillin and said: "It is confidently hoped that one such penicillin, effective in man, will be available before long to the medical profession after appropriate clinical trials. The next objective is to achieve the bio-

synthesis of a new penicillin effective against resistant staphylococci when administered orally."

### Prescribers' Notes

#### DEVELOPMENTS IN PHARMACOLOGY

THE Ministry of Health and the Department of Health for Scotland, after consulting the representatives of the medical and pharmaceutical professions, have decided to extend the scope and the content of the existing publication "Prescribers' Notes" so as to give doctors more information about new developments in pharmacology. The committee of management of the publication is to be strengthened to undertake this work, and Professor Max Rosenheim, C.B.E., M.D., F.R.C.P., University College Hospital Medical School, has agreed to act as chairman. That is a further step taken to implement recommendations in the report of the Hinchliffe and Douglas Committees on the Cost of Prescribing in England and in Scotland.

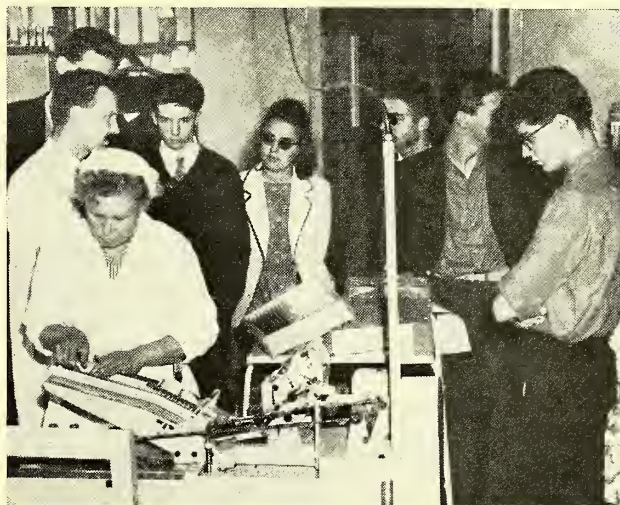
### Royal Society

#### A VISITING PROFESSORSHIP

THE Royal Society has instituted a Visiting Professorship so that overseas scientists "of high distinction" may be invited to the United Kingdom for a period of an academic year, or at least six months, to enable them to carry out research. The first holder of the appointment is to be Professor Arnulf Schlüter (professor of theoretical physics, University of Munich, and also of the Max-Planck-Institut für Physik and Astrophysik, Munich). He is to take up the appointment on March 1, 1961, and work in the department of

applied mathematics and theoretical physics at Cambridge.

**YOUTH SCIENCE FORTNIGHT:** Students from ten countries visited CIBA Laboratories, Ltd., Horsham, Sussex, during the Second International Youth Science Fortnight held in Britain, July 15-29. The event was arranged by World-friends in conjunction with the British Association for the Advancement of Science to foster friendship and understanding between young people of many nationalities through their shared interest in science. The students also visited Kodak, Ltd.





# RESTRICTIONS ON THE PRACTICE OF HERBALISM

## Discussion in the House of Lords

THE MARQUESS OF SALISBURY in the House of Lords on July 28 called the attention of the Government to certain restrictions that adversely affected the practice of herbalism. When the Pharmacy and Medicines Act, 1941, was introduced, he said, it was not thought that it would have any deleterious effect on herbalism. Indeed that had been made quite clear at the time. But by all accounts he had received since then, the Act had had a considerable effect, and a serious one, upon herbalists. Until the passing of the Act, herbalists had been able to prescribe for individual patients any remedies they wished. But the 1941 Act had limited the scope of their prescriptions. Section 12 (4) (a) precluded herbalists from selling to the general public:—

"Any medicines except dried herbs and some proprietary medicines."

If the remedy did not come within the scope of that section not only the seller, but the buyer too had to be a member of the Society of Herbalists, and "that cut out the sale to the general public of remedies produced by—boiling, decocting, distilling, evaporating, extracting, expressing, infusing, macerating, percolating, pilling, pressing, tabletting and tincturising—all of them . . . processes used in the legitimate practice of herbalism. . . . This put the herbalists at a very serious disadvantage."

### A Bitter Pill

The power to inspect and prosecute herbalists for breaches of the Act had been given to the Pharmaceutical Society. "This . . . was regarded by the herbalists as a very bitter pill for them to swallow. They have felt, and still feel, though I am sure the Pharmaceutical Society is the most reputable and responsible of bodies, that in the nature of things pharmacists are not likely to have any particular sympathy for herbalism as such. Why, they ask, choose that particular body, of all the possible ones, to be adjudicator in cases of this kind? And why, they add, were the herbalists, never consulted at all in the preparation of the Bill of 1941, although the pharmacists, and even the grocers, were?" The herbalists now asked that they should be restored to the position which they held before the 1941 Act. That could be effected by extending the provisions of Section 12 (4) (a) to cover those processes previously listed, and which "are clearly used in the legitimate practice of herbalism." The Institute of Medical Herbalists and the Society of Herbalists would welcome the introduction of some wording into the amendment making it "abundantly clear that these additional processes should only be used by herbal practitioners who were approved by the Society and the Institute." They would also "not in the least object to placing on the labels the proper designation of the substance recommended as a medicine." The Marquess suggested that the position of the herbalists and

their specific proposal of an amendment of the 1941 Act should be given "full and fair" consideration by the Working Party set up to examine legislation concerning medicines.

LORD AMULREE felt that people who prescribed medicines in perfectly good faith should be controlled by roughly the same kind of regulations as applied to doctors and pharmacists in the normal kind of work.

### Innocent and Harmless

LORD SALTOUN said "Herbalists are innocent, harmless and very useful. They say that they have been injured by hasty war-time legislation, and I think that anybody who has a case of that kind has a right to have his position re-examined. I have received from people who are undoubtedly good herbalists very effective remedies for illness when no other remedies were available to me, when I was removed from getting doctors' prescriptions or anything of that kind." LORD DOWDING did not consider that the legislation was of the kind hastily pushed through owing to force of circumstances. The discovery had been made in the early days of the war, after purchase tax had been introduced, that for some time chemical companies had been paying double duty on the goods they sold, and that if they had made a claim against the Government they would have been entitled to receive heavy compensation. To compensate them in that way was not convenient in that time of war. There was good evidence that the Government had made a bargain with the chemists—"I do not know if that is too strong a word to say; but at any rate this heavy debt was never paid off to the chemists. Instead the Bill, which had had the effect of putting herbalists out of business, had been produced in an almost hole-and-corner way . . . the final Bill was printed only a few days before it came up for discussion." Lord Dowding thought that in some instances herbal remedies were valuable.

BARONESS HORSBRUGH did not agree that herbalists had been put out of work altogether. She hoped the matter could be looked at again to see whether alterations could be made that "would give legitimate herbalists the right to do good and would prevent other people from doing evil." LORD TAYLOR could not see any reason why anybody should not make a decoction or tincture or maceration "In fact we all do it. Every time we make a pot of tea we make a herbal infusion. . . . If anybody likes to sell me a bottle of cold tea, provided he labels it honestly and says how much tea he put in, I cannot see that the Pharmaceutical Society or anybody else should stop him. But if all herbal remedies are to be labelled as to their contents . . . I am afraid that we shall get into great difficulties, because the herbalist could not possibly tell you what the contents of these herbs are. Only a pharmaceutical chemist, and possibly an analyst

skilled in alkaloids and the higher biochemistry, could possibly tell you what is contained in a number of these herbs. I very much doubt whether there is any evidence that many of them are very pharmaceutically or pharmacologically active. I think that any attempt to do more than describe in simple ordinary English on the bottle what is actually put in would be foolish; and I doubt whether we ought to legislate even about that. I am certain that we ought not to legislate about the rights of the herbalists to control their industry by legislation, because that would involve a recognition of herbalism as being a valid and scientific activity, for which there is really no evidence. I think the herbalists would have to make out a great scientific case . . . I think it would be a mistake for them to try."

### Wrong to Give Recognition

LORD TAYLOR thought it would be quite wrong to make an amendment to assist the herbalists in the innocent making of decoctions and thereby give them some sort of official recognition. The herbalists should be allowed to go about their harmless ways and should not in any way be controlled by the Pharmaceutical Society.

LORD ST. OSWALD pointed out that the main purpose of the Pharmacy and Medicines Act, 1941, had been to abolish the medicine stamp and licence duties because of the introduction of purchase tax. In addition the Act provided that the retail sale of medicines should be restricted normally to chemists, doctors and dentists. But there were exceptions from that provision for certain existing named remedies. They included such herbal remedies as had proprietary names. The safeguards introduced in Section 12 (4) (a) of the Act were thought to give adequate protection to legitimate herbalists and to the public at the same time. "The herbalists are now saying, however, that the processes they are allowed to use are too limited . . ." Some of the processes the herbalists now wished to use seemed proper to the practice of pharmacy and even dangerous when permitted to those untutored in pharmacy. "My own advisers tell me that they cover practically anything you can do to a defenceless plant." Lord St. Oswald later stated "It would be irresponsible to overlook the hazards of allowing unqualified individuals, untrained in pharmacy or chemistry, to have a free hand with all these processes and sell the results to the public. If they were really allowed to decoct, distill, infuse, macerate, percolate and tincturise anything that took their fancy, the results might be disturbing and harmful." The Society of Herbalists had, however, appreciated that point, and they had made a significant proposal to meet it. They recognised the Government's duty to protect the public, and in seeking the authorisation of those additional processes they were prepared to see it restricted to "duly



qualified herbal practitioners only." The problem remained who decided what exactly was a duly qualified herbal practitioner. "What could correspond to the close analytical control of the other medicines insisted upon today? How, without pharmaceutical training, would these herbal practitioners be able to measure the potency of the medicines they were producing? In fact, is good faith enough in the production and sale of these substances and remedies?" No one would seek to deny that herbalism was the beginning of medicine but diagnosis and cure were infinitely more specialised today. Lord St. Oswald finally assured the Marquess of Salisbury that the opinions and claims of the herbalists would be listened to and studied by the Working Party.

## NEWS IN BRIEF

THE National Health Service (Superannuation) (Amendment) Regulations, 1960, that were laid before Parliament in draft form (C. & D., July 2, p. 3) became effective from July 27.

THE City of London College, in collaboration with the Plastics Institute, has again arranged a series of eight lectures on the applications of plastics to be given at the College at 6.15 p.m. on successive Mondays starting on October 3.

THE third edition of "Health Services in Britain" has just been published (H.M. Stationery Office, 3s. 6d.). It is one of a series produced by the Central Office of Information for the Overseas Information Services, and is written in general terms.

AN unofficial strike of skilled workers at five chemical works of Imperial Chemical Industries, Ltd., spread on July 22 to the company's Runcorn factory where 500 workers joined more than 1,000 already on strike in the mid-Cheshire area. Later there was a return to work.

PART of the stand of Evans Medical, Ltd., at the Royal Welsh Show, Welshpool, recently, drew attention to the fact that John Evans, who founded the company in 1787, was a native of Welshpool. During the show the stand was visited by the mayor.

NEW large deposits of salt have been discovered in the Cheshire basin as the result of deep boring by the Geological Survey of Great Britain. Reserves of salt estimated at about 400,000 million tons have been revealed. Production of salt in the United Kingdom in 1957 was about 5 million tons.

ELECTRIC shavers valued at £35 were recently stolen by smash-and-grab thieves from the pharmacy of Mr. R. J. M. WATSON, M.P.S., 14 Spital Street, Marlow, Bucks.—A cine and a colour-photo cameras were stolen by a smash and grab thief from the pharmacy of Mr. W. B. MUNRO, M.P.S., 38 Cadzow Street, Hamilton, Lanarks, on July 6.

## LOCAL OFFICERS

### NATIONAL ASSOCIATION OF WOMEN PHARMACISTS

Merseyside Branch.—President, Mrs. D. H. Evans; Treasurer, Miss A. F. Arnold; Secretary, Mrs. M. Dalgarno, 8 Sandlea Park, West Kirby, Ches.

# TOPICAL REFLECTIONS

By Xrayser

## Freedom

The realistic appraisal (pp. 129–30) from the pen of Mr. Andrew Medcalfe, of the pharmaceutical scene, merits careful study. It is true that the single-handed pharmacist has little liberty. He is not, as the butcher and the baker, in a position to disport himself on the golf course during business hours, for his calling makes more pressing and personal demand on his services than is insisted upon in the sale of a loaf of bread or a pork chop. Even without the myriad regulations referred to by Mr. Medcalfe, no conscientious pharmacist would find it easy to absent himself, for the pursuit of the small white ball requires undivided attention, and is not recommended to those who, like the juryman in *Pickwick*, have left in charge a boy whose prevailing impression may be that "Epsom Salts means oxalic acid; and syrup of senna, laudanum." There are other aspects of lack of liberty, additional to some of those mentioned by your correspondent, for economic and advertising pressure make it difficult to resist the selling of goods, on which the profit is fixed by the manufacturer, generally with more regard to his interests than those of the distributor. There can be few business or professional people who are so "cabined, cribbed, confined" as the pharmacist, or so bound in to saucy doubts or fears. The growing realisation that two or more pharmacists per unit offers some alleviation is striking, but I agree with Mr. Medcalfe that that could only succeed under some system of licensing, involving, paradoxically, more freedom at the expense of liberty. There are many points raised by your correspondent, all of which should and must be given serious consideration wherever pharmacists gather together, and it would be well, as he says, to devote more of our attention to the condition of those at present in the profession, otherwise the very foundation of future pharmacy may be imperilled. If the profession does not provide an adequate return for those who practise it, recruits will eventually turn to more lucrative and less demanding ways of earning a livelihood.

## Dolce far niente

Hard on the heels of my reference to tanning overnight with the aid of a fluid from a bottle, I have been offered the chance of achieving the real thing. I may travel by air from London to Milan. I may see the Ruins of Pompeii—the Bay of Naples—the Coliseum. I may journey to the summit of Mount Vesuvius. The opportunity is open to me because I am a "qualified pharmacist." (Presumably if I had been an "unqualified pharmacist," the chance would have been denied me.) And the knowledge that 26,000 of my fellows have the same opportunity makes the prize, if less attainable, still more exciting. All that is required is a slogan—the right slogan, as adjudged by a panel of experts. It is not for toothpaste; it is not for a detergent; it is most certainly not for an artificial tan while I sleep. It is for an antibiotic. See Naples that others may live!

## Prescribing habits and habitats

For those who are mathematically minded the report of the Ministry of Health, 1959, Part I (p. 133) will no doubt provide the basis of many numerical investigations. There may be some who attempt to correlate the national figures with those of their own businesses. To many in retail pharmacy the figures in the Therapeutic Classification of Drugs Prescribed during 1959 are not unexpected, since they reflect their own dispensing activities. However, there must be other pharmacists in whose areas the local prescribers' habits do not exactly fit into the national pattern. Those are "deviations from the mean" such as are more than likely to occur during the present season, when the general practitioner takes his holiday and his locum introduces variety by prescribing products he has been ordering for patients in other parts of the country. How many partly used stocks on dispensary shelves found their place there during the holiday season, and how many had called for special action by the pharmacist to enable the patient to receive the medicine quickly so that there were no delays in beginning the new treatment?



## COMPANY NEWS

Previous year's figures in parentheses

**BRITISH OXYGEN CO., LTD.**—An interim dividend of 6 per cent. (4 per cent.) is declared on £17,047,166 ordinary stock, for year to September 30.

**MERCK SHARP & DOHME, LTD.**—Mr. E. T. Browne has been appointed chairman and managing director in succession to Mr. T. W. Rayner (see also p. 153).

**E. I. DUPONT DE NEMOURS, INC. (U.S.A.)**—Second quarter net sales and operating revenue, \$568,650,000 (against \$568,739,000 for the corresponding period a year ago).

## BUSINESS CHANGES

**MR. E. A. COX, M.P.S.**, has opened a pharmacy at 59 High Street, Hurstpierpoint, Sussex.

**RODMILL, LTD.**, is the new trading title adopted by Rodmill Chemical Co., Ltd., Hanover Street, Liverpool, 1.

**ALLCOCK PRODUCTS, LTD.**, removed to Ormskirk, Lancs, on August 2.

**THE INSTITUTE OF PACKAGING** has moved to Malcolm House, Empire Way, Wembley Park, Middlesex (telephone: Wembley 8623).

## Appointments

**A. H. ROBINS CO., LTD.**, 5 Fenchurch Street, London, E.C.3, have appointed Mr. E. G. Smith to their export department.

**PROPRIETARY ASSOCIATION OF GREAT BRITAIN**, 43 Gordon Square, London, W.C.1, have appointed Mr. J. P. Wells, M.P.S., as an additional assistant secretary.

## MARRIAGES

**CATLIFF—OSBORNE.**—At St. Michael's Church, Bray, Berks, recently. Alan Henry Catliff, M.P.S., Raimesfield, Castle Hill, Maidenhead, Berks, to Valerie P. Osborne, Oakley Green, Windsor, Berks.

**PATTON—FITZPATRICK.**—Recently, Michael Francis Patton, M.P.S.

## IN PARLIAMENT

By a MEMBER OF THE PRESS GALLERY, HOUSE OF COMMONS

**DURING 1959** there were seventeen single-handed dentists without qualified assistants, whose gross earnings from the General Dental Service of the National Health Service were between £15,000 and £20,000, stated Miss E. PITT (Parliamentary Secretary, Ministry of Health) in a written reply to Mr. H. J. DELARGY, on July 26. During the same period there were 109 single-handed dentists with varying numbers of qualified assistants whose gross earnings, before paying their assistants were between those figures.

### Postage Stamps

**MR. F. MCLEARY** asked the Postmaster General if he would encourage the more general sale of postage stamps at retail shops and other places away from post offices. **MR. R. BEVINS** in a written reply on July 29 stated that he had relaxed the conditions in which

(proprietor of P. Gray, chemists, 45 Longbridge Road, Barking, Essex) to Sarah Jane Fitzpatrick, M.P.S., Breagh, Enniskillen, co. Fermanagh, Northern Ireland.

## DEATHS

**AKERS.**—On July 31, Mr. Henry Charles Akers, after a short illness. Mr. Akers was the senior representative for Stafford Allen & Sons, Ltd., Wharf Road, London, N.1, and had been with the company for thirty-five years.

**BALD.**—Recently, in an Aberdeen hospital, Mr. David Wood Naim Bald, M.P.S., 65A Burgh Road, Lerwick, Shetland. Mr. Bald qualified in 1939.

**GODKIN.**—Recently, in hospital, Mr. Archibald Aston Godkin, M.P.S., 1 High Street, Tunbridge Wells, aged eighty-one.

**GOULD.**—Suddenly, Mr. William Wright Spink Gould, M.P.S., 64 Dalhousie Street, Monifieth, Angus. Mr. Gould qualified in 1921.

**HEPTINSTALL.**—On July 16, Mr. Leonard Heptinstall, M.P.S., Windrush, Hilltop, Bardsey, Yorks. Mr. Heptinstall qualified in 1920.

**HUNT.**—On July 18, Mr. Ernest Edward Hunt, M.P.S., 3, Westborough, Scarborough. Mr. Hunt qualified in 1928.

**MORRISON.**—Recently, Mr. Thomas Morrison, M.P.S., 9 Kenmure Crescent, Bishopbriggs, Glasgow. Mr. Morrison, who was the chief pharmacist at the Western Infirmary, Glasgow, qualified in 1928.

**RICHARDSON.**—Recently, Mr. William Herbert Richardson, M.P.S.N.I., 33 Ridgeway Park, Portadown, co. Armagh. Mr. Richardson, who qualified as a Druggist in Dublin during 1918, and as a Pharmaceutical Chemist in Northern Ireland in 1930, carried on business in Portadown until his retirement ten years ago. Before his retirement he was a well-known and successful breeder of pedigree Jersey cattle and as a judge of the breed was a popular figure at many shows throughout Ulster and in the Isle of Man.

**SMITH.**—On July 29, Mr. Frederick

Thomas Smith, J.P., M.P.S.N.I., Dumesia, Greystone Road, Antrim. Mr. Smith qualified as a Druggist in Dublin and as a Pharmaceutical Chemist in Northern Ireland during 1926. He had carried on business for many years in the High Street, Antrim, and the pharmacy is now being run by his daughter, Miss Madeleine Smith, M.P.S.N.I.

**SCHERER.**—On July 27, Mr. Robert Pauli Scherer (chairman, R. P. Scherer, Ltd., 216 Bath Road, Slough, Bucks). Mr. Scherer graduated as a chemical engineer at Michigan University and was the inventor of the rotary die process capsulating machine which revolutionised the capsulating industry. He was also president of the R. P. Scherer Corporation, Detroit, U.S.A., and chairman of the associated Canadian and other companies.

**THOMPSON.**—Recently, Miss Annie Thompson, M.P.S., Britannia Road, Helsby, via Warrington, Lancs. Miss Thompson qualified in 1934.

**THRONDSSEN.**—On May 19 Mr. Ivar Throndsen, chairman of Johnsen & Jorgensen, Ltd., aged eighty-seven. Mr. Throndsen was born in Nes Romerike, Norway, and educated there and later in Oslo. He came to London in 1890 at the age of seventeen, and joined his uncle, Johan Jorgensen, in the company of Johnsen & Jorgensen, Ltd. In 1900 he became managing director, which position he held until his uncle's death in 1940, when he became chairman. Although he lived so long in England, he remained a Norwegian and took a leading part in the affairs of the Norwegian colony in London. He was a director of Norway House for some years, and a founder member of the Norwegian Chamber of Commerce. He was on the executive committee of the Scandinavian Benevolent Society, treasurer of the Y.W.C.A., and a committee member of the Norwegian Seamen's Church, Rotherhithe. During 1950, King Haakon VII of Norway conferred upon Mr. Throndsen the Order of St. Olav, First Class.

## PERSONALITIES

**MR. E. P. KENNY, M.P.S.I., Cork**, won the Moby Dick trophy at Youghal deep sea angling competition recently. He landed 32½ lb. of fish.

**MR. G. E. WILKINSON, M.P.S.**, has been invested with the chain of office as president of Motherwell and Wishaw Rotary Club.

**MR. W. G. WRIGHT, M.P.S.**, has been elected to the council of Beccles Rotary Club. Mr. Wright is now chairman of the Club's vocational service committee.

**MR. J. H. TRANMER, M.P.S.**, was recently installed as president of Huddersfield Rotary Club. A director of S. T. Shaw, Ltd., Mr. Tranmer is a past-president of Huddersfield Chemists' Association and a past-president of Huddersfield Round Table.

**MR. WILLIAM T. STEPHENS, M.P.S.**, 57 Crosland Road, Oakes, Huddersfield, celebrated his fiftieth anniversary as a pharmacist on July 7. Now "semi-retired" Mr. Stephens relieves his partner, Mr. J. R. Ireland, while

licences to sell postage stamps might be issued and head postmasters were now being instructed to encourage the issue of the licences.

### Farthings

**MR. A. BARBER** (Economics Secretary, Treasury) informed Mr. J. M. COULSEN in a written reply on July 29 that it seemed the farthing had outlived its usefulness and the Government proposed that it should no longer be legal tender as from January 1, 1961.

### Prices of Proprietary Preparations

**MISS E. PITT** stated in a written reply to Mr. L. A. PARITT on July 29 that the Minister of Health was giving "immediate and earnest thought" to the recommendations made by the Committee for Public Accounts in its report concerning the prices of proprietary preparations (see p. 160).



Mr. Ireland is on holiday. Mr. Stephens, who still practises as an optician, has received a letter from the Pharmaceutical Society congratulating him on his "anniversary," and the Huddersfield Branch, of which he has been chairman, has also sent congratulations.

MR. CLIFFORD EVANS, M.P.S., was elected president of the Rotary club of Kensington on July 7.

MR. J. ENOCH POWELL, whose appointment as Minister of Health was announced last week (p. 127) was Financial Secretary to the Treasury from January 1957 to January 1958, and Parliamentary Secretary, Ministry of Housing and Local Government from 1955. Mr. Powell was professor of Greek at Sydney University, 1937-39.



MR. E. T. BROWNE, who has been appointed chairman and managing director of Merck Sharp & Dohme, Ltd., joined Merck & Co. (the parent company), in 1951 as a member of the secretary's staff for organisation planning. Following the merger of Merck and Sharp & Dohme in 1953 he was transferred to the then newly created international division to become director of personnel and later was appointed to his position in the European area. Before coming to England as administrative director of Merck Sharp & Dohme, Ltd., Hoddesdon, he served for four years as director of field operations. He obtained a B.A. degree from Dartmouth College, Hanover, New Hampshire, in 1940. Following release from the U.S. Navy in 1946 he attended Harvard Business School, where he obtained his Master's degree in business administration.



LORD PIERCY, whose appointment as chairman of the Wellcome Trust was announced in the *C. & D.*, July 23, p. 95, was incorrectly referred to in a later paragraph as chairman of the Wellcome Foundation. To him and to Mr. M. W. Perrin (chairman of the Wellcome Foundation, Ltd.), the Editor offers his apologies.

MR. F. SWAFFIELD has retired after forty years' service with Chesebrough-Pond's, Ltd. He started with the company in 1920 pioneering the Vaseline products, and for many years until his retirement was field supervisor and responsible for the training of representatives. During his forty years' association with commercial travellers a great deal of his spare time

has been given to honorary work for charities, and he is a life governor of the Royal Commercial Travellers Schools and the Benevolent Society. A motor-mower and cheque were handed to Mr. Swaffield at a farewell luncheon party before his retirement, and he will be the guest of honour at the Chesebrough-Pond's sales conference in December.

MR. GEORGE TRUSS has retired after fifty years' service with the International Bottle Co., Ltd. At an informal luncheon, attended by the directors and senior members of the staff of the company, presentations were made to Mr. Truss to mark his retirement. For many years, Mr. Truss was in charge of the department which caters for the container and glassware requirements of the chemical and pharmaceutical

trades, in which field he made many friends.

## INQUESTS

**From Two Sources.**—"It does strike me that there can be a danger of patients receiving drugs from two sources," said the St. Pancras, London, coroner when he recorded a verdict that Miss V. E. Pittman, Turin Street, Bethnal Green, London, committed suicide by barbiturate poisoning. During evidence Dr. John Moore said that for many years he had prescribed drugs for Miss Pittman. Later Mr. T. Holden (pharmacist at Bethnal Green Hospital) gave details of prescriptions dispensed at the hospital for Miss Pittman. Dr. Moore, when recalled to the witness box, said he was not aware that Miss Pittman was receiving extra drugs.

## NEW LABORATORIES AT ULVERSTON

**£100,000 analytical suite for Glaxo Laboratories, Ltd.**

A SUITE of new laboratories for the analytical department of Glaxo Laboratories, Ltd., at Ulverston, Lancs, built at a cost of £100,000, is now in operation. The new suite, which is located near the factory entrance, is entirely devoted to the analytical department's activities. One of the features of the new laboratories is a unique multi-stage dilution apparatus, evolved by Mr. T. E. V. Horsley (head of the department), which carries out dilutions up to 1 in 10,000. The prototype and two other units, each costing £1,000, are now in operation. Among the up-to-date equipment installed is a Technicon Auto Analyser for carrying out repetitive sampling and testing which can deal with up to forty samples an hour.

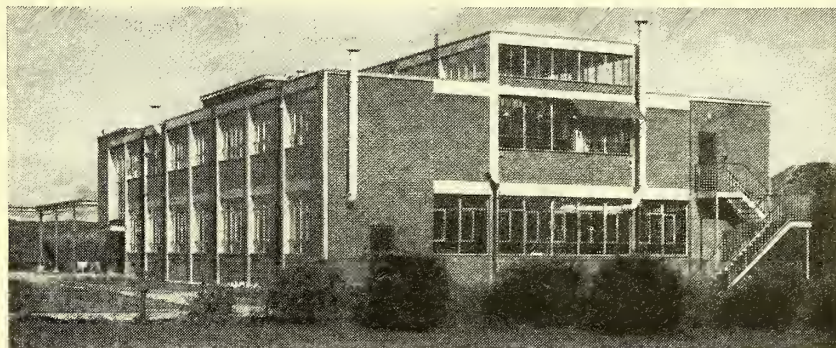
The department, which has a staff of over 100 including a number of university graduates, provides specialised analytical technical services necessary for the control of the quality of preparations produced at the factory (penicillin and streptomycin are the major drugs produced at Ulverston).

The new two-story structure has, for geological reasons, been built on a thick concrete raft. As excessive heat during the summer months would upset the balance of the air-conditioning system a series of external blinds has been fitted to the southern aspect of the building.

On the ground floor are the offices and the chemical and instrument laboratories. The main chemical laboratories, interconnecting, incor-

porate facilities for inorganic and organic analytical chemistry with a "dark area" for the operation of projection microscopes and colour measurements. Facilities for the assay of vitamin A away from the effect of bright sunlight have been provided. An instrument section dealing with infra-red and ultra-violet spectrophotometric methods of analysis is adjacent to one of the chemical laboratories and accessible from others. In one corner, available to all those areas, is a solvent room with facilities for all operations employing solvents of any kind. On the main entrance corridor, immediately opposite the general offices, is a stores and sample reception room, equipped with facilities for the preparation of samples in a convenient form for general analysis.

Biological assay section, sterility testing laboratory and a laboratory kitchen, are the main units on the first floor. The biological assay section is without opening windows in order to prevent the access of foreign dust particles which might interfere with the work. Both it and the sterility test laboratory are fully air-conditioned. The first floor also gives space to two smaller laboratories for specialised analysis and clarity testing with relative freedom from dust and staff movement. A smaller area is also taken up as a storage area for keeping samples of preparations made up to four years previously. A dark room for photographic work, a frequent requirement of the department, is also provided.



The new analytical laboratories at Ulverston.



## NEW COMPANIES

P.C.—Private Company; R.O.—Registered Office

**GORDON D. CONWAY, LTD.** (P.C.).—Capital £1,000. To carry on the business of chemists and druggists, etc. Directors: Renee Conway and Gordon D. Conway. R.O.: 62 Oxford Street, London, W.1.

**DEROID, LTD.** (P.C.).—Capital £500. To carry on the business of distributors and vendors of pharmaceutical preparations, etc. Directors: Percy W. Labraham, M.P.S., and Arthur J. Wilson. R.O.: 112 Bath Street, Rugby, Warwick.

**CERACO (LANCS), LTD.** (P.C.).—Capital £900. To carry on the business of manufacturers and merchants of chemicals of all kinds. Directors: Leon Stoger and John Waldie. R.O.: 120 St Anns Road, Prestwich, Manchester.

**BEEP, LTD.** (P.C.).—Capital £100. To carry on the business of manufacturers of and dealers in surgical appliances of all kinds, etc. Subscribers: Donald A. Faulder and Ethel Ford. R.O.: 10 Lincoln's Inn Fields, London, W.C.2.

**HENRY DEWS, LTD.** (P.C.).—Capital £10,000. To acquire the business of pharmacists and wine and spirit merchants carried on by H. Dewes at Mexborough, etc. Directors: Henry Dewes, M.P.S., and Denis Buckley. R.O.: 8 High Street, Mexborough, Yorks.

**COUNTRYSIDE PRODUCTS, LTD.** (P.C.).—Capital £500. To carry on the business of herbalists, manufacturers of and dealers in chemicals, medicines, etc. Directors: James W. H. Chappelle and Cyril F. Oliver. R.O.: 78 Tilehouse Street, Hitchin, Herts.

**HUGH MORRIS, LTD.** (P.C.).—Capital £1,000. To carry on the business of either wholesale or retail chemists, etc. Subscribers: Hugh Morris, M.P.S., and Mrs. Veronica M. C. Morris. Hugh Morris is the first director. R.O.: Gwalia Buildings, Ogmore Vale.

**E. P. GREENHALGH, LTD.** (P.C.).—Capital £1,500. To carry on the business of chemists and druggists, etc. Directors: Edmund P. Greenhalgh, M.P.S., and Cyril L. Hughes. R.O.: Clun House, 17 Surrey Street, London, W.C.2.

**LISTER'S CHEMISTS, LTD.** (P.C.).—Capital £100. To carry on the business of dispensing and analytical chemists and druggists, opticians, etc. Directors: Eric Lister and Samuel Hornstein. R.O.: 43 Upper Berkeley Street, London, W.1.

**W. A. SMITH (DRUG STORES), LTD.** (P.C.).—Capital £1,000. To carry on the business of manufacturers of and dealers in cosmetics, etc. Directors: William A. Smith and Doris Smith. R.O.: 57 Praed Street, London, W.2.

**GEMSONS, LTD.** (P.C.).—Capital £1,000 in £1 shares. To carry on the business of dispensing chemists, druggists, etc. Subscribers: George E. Metcalfe, John W. Metcalfe, George E. Metcalfe, jun. George E. Metcalfe is the first director. R.O.: 596 Prescott Road, Liverpool.

**YAMAC, LTD.** (P.C.).—Capital £100. To carry on the business of dealers in chemicals and drugs, etc. Subscribers: Leopold Wiener, M.P.S., and Joseph Wiener. The first director is Leopold Wiener. R.O.: 77 Portland Place, London, W.1.

**BESSELL & RAKE, LTD.** (P.C.).—Capital £7,500. To acquire the business of dispensing chemist carried on by F. C. Bessell at 205 Milton Road and High Street, Worle, Weston-super-Mare, etc. Directors: Frederick C. Bessell, M.P.S., Edmond H. Rake, M.P.S., and Annie L. Bessell.

**I. C. PAGET (CHEMISTS), LTD.** (P.C.).—Capital £7,000. To acquire from the executrix of the Ivor C. Paget the business of a chemist and druggist formerly carried on by him at Odiham, Hants, etc. Directors: Ivy W. Paget and Samuel S. B. Hounsell. R.O.: The Pharmacy, High Street, Odiham, Hants.

**HAMILTON JOHNSTON & CO., LTD.** (P.C.).—Capital £10,000. To carry on the business of manufacturers of, and dealers in, chemicals, gases, drugs, etc. Directors: William Johnston and Mabel Johnston. R.O.: 11 New Court, Lincoln's Inn, London, W.C.2.

**UNI-PHARMA, LTD.** (P.C.).—Capital £10,000. To carry on the business of manufacturers of and dealers in chemical and cosmetic raw materials, etc. Subscribers: C. Backer and George Winter. The first directors are to be appointed by the subscribers. R.O.: 109 Kingsway, London, W.C.2.

**GOLD PHARMACIES, LTD.** (P.C.).—Capital £1,000. To carry on the business of retail and wholesale chemists and druggists, etc. Subscribers: Myrna F. Nathan and Avril Holt. The first directors are to be appointed by the subscribers. R.O.: 46 Market Place, Reading.

**DANIEL C. GRIFFITH & CO., LTD.** (P.C.).—Capital £1,000. To acquire the business of assayers and analytical chemists carried on as Daniel C. Griffith & Co., etc. Directors: Geoffrey G. Griffith and Alastair R. Griffith. Solicitors: Holmes and Pott, 3 London Wall Buildings, London, E.C.2.

**SCIENTIFIC AND INDUSTRIAL DEVELOPMENTS, LTD.** (P.C.).—Capital £1,000. To investigate, institute, operate and utilise new or improved manufacturing processes and products in connection with the chemical trade, etc. Directors: Hugh E. Ascoli and Leslie E. Winterbottom (directors, Harcastle, Corporation, Ltd.). R.O.: 5 St. James's Place, London, S.W.1.

**BRITISH IMPULSE PROTEINS, LTD.** (P.C.).—Capital £250,000. To operate the Chayen impulse protein process for the extraction from vegetable materials of protein isolate and other derivatives and undertake the marketing of those products. Shareholders: British Glues & Chemicals, Ltd., and Agricultural Holdings Co., Ltd. (the holding company for the Gun-

son group of companies). Directors: I. H. Chayen (chairman), G. Balint, L. J. H. Dark, R. Guttman, A. Hayward and J. Macaskill. R.O.: 20 St. Dunstan's Hill, London, E.C.3.

**SUPREME SURGICAL HOSIERY CO. (LONDON), LTD.** (P.C.).—Capital £100. To carry on the business of manufacturers of and dealers in surgical hosiery, belts, etc. Subscribers: Robert Banks and P. E. V. Oakley. The first directors are not named. Solicitors: Kenneth Brown Baker Baker, Essex House, London, W.C.2.

**DUPHAR, LTD.** (P.C.).—Capital £100,000. To carry on the business of manufacturers, importers and exporters of fine chemicals, drugs, medicines and remedies, atomic and radioactive isotopes, chemicals, etc. Subscribers: Philips Electrical Industries, Ltd., and John B. H. Jackson. The first directors are to be appointed by the subscribers. R.O.: Spencer House, South Place, London, E.C.2.

**DEAMINOL PRODUCTS, LTD.** (P.C.).—Capital £100. To take over the distribution of the wholesale trade of Deaminol products, and to carry on the business of manufacturers of hair-dyes, cosmetics, etc. Directors: André Kanitz, Susan Kanitz (directors, André Kanitz, Ltd.), Stanley M. Stechlyn and Stanley M. Atkins (directors, Vines Bioclin, Ltd.). R.O.: 8 Southampton Row, London, W.C.1.

**FENCOLOR LABORATORY, LTD.** (P.C.).—Capital £100. To acquire the colour processing section of Camera Supplies (Cambridge), Ltd., and to carry on the business of colour processors and colour photographers, etc. Subscribers: Percy O. Ansell and George A. Corderoy. Directors: Gruffydd Pennant Reece and Hywell Pennant Reece. Solicitors: Rustons & Lloyd, Newmarket.

**LESTAR LABORATORIES, LTD.** (P.C.).—Capital £100. To carry on the business of manufacturers of and dealers in cosmetics, pharmaceutical, and other preparations, etc. Directors: John E. Ellery, M.P.S. (sales director), Fassett & Johnson, Ltd., Frank G. Sullivan (managing director, Fassett & Johnson, Ltd.), Leslie Aremband and Julius Segal. R.O.: 86 Clerkenwell Road, London, E.C.1.

**ROBERT WOMERSLEY & SON, LTD.** (P.C.).—Capital £35,000. To acquire the business of Robert Womersley & Son carried on at 8 Chicksand Street, London, E.1, and to carry on the business of distributors and manufacturers of, and dealers in, all types of chemicals, etc. Subscribers: A. H. Carter and W. H. Rogers. The directors not named. Solicitors: Lawrence, Graham & Co., 6 New Square, London, W.C.2.

**NORTH-WEST CHEMISTS (LONDON), LTD.** (P.C.).—Capital £100. To carry on the business of wholesale, retail, and general chemists, etc. Directors: Lionel Learner, Marcus Sarnier and David N. Sharpe, M.P.S. R.O.: 7 Little Turnstile, London, W.C.1.



**BENEDICTS-BARON, LTD. (P.C.).**—Capital £100. To carry on the business of general chemists, druggists, etc. Directors: Joseph Baron, M.P.S., and Hilda Baron, R.O.: 18 Charing Cross Road, London, W.C.2.

**AEROMIST (1960), LTD. (P.C.).**—Capital £400. To carry on the business of manufacturers of and dealers in insecticides, etc. Directors: Henry R. Barnes, Percy E. Tucker and Reginald H. Barnwell, R.O.: 20 The Ridgeway, London, N.W.11.

**C. M. WATSON, LTD. (P.C.).**—Capital £6,000. To carry on the business of manufacturing chemists, etc. Directors: Cecil M. O. Watson and Nellie Watson, R.O.: 239 Roundhay Road, Leeds, 8.

**R. HAROLD CASH, LTD. (P.C.).**—Capital £1,000. To carry on the business of chemists, druggists and opticians, etc. Directors: Robert H. Cash, Margaret Cash and Eric T. Rogers, M.P.S. R.O.: 7 Whetstone Hey, Gt. Sutton, Wirral, Ches.

**I. G. ROBERTS (CHEMISTS), LTD. (P.C.).**—Capital £1,000. To carry on the business of chemists and druggists, etc. Directors: Ivor G. Roberts, M.P.S., and Margaret Roberts, R.O.: 143 Cannon Street, London, E.C.4.

### Voluntary Liquidations

**W. FLETCHER (CHEMISTS), LTD.**—Receiver: Mr. F. R. Reber, c/o W. B. Keen & Co., Finsbury Circus House, Blomfield Street, London, E.C.2.

## NEWCASTLE CONFERENCE PAPERS

### Details of contributions to science and professional sessions

THE following papers are being presented at the sixty-first meeting of the British Pharmaceutical Conference, Newcastle upon Tyne, September 5-9. It is expected that galley proofs or copies of the papers will be available in time to distribute in the usual way before the Conference. Members wishing to receive copies of the papers should communicate with the Conference Secretaries, 17 Bloomsbury Square, London, W.C.1, stating those in which they are interested. Applications must be received not later than August 19.

#### Monday morning, September 5 OPENING SESSION

Address. "ACADEMIC RESEARCH AND THE FIVE FREEDOMS." W. H. Linnell (chairman of the Conference).

#### Monday afternoon, September 5 SCIENCE SESSION (section A)

1. ALKALOIDS OF *Voacanga Schweinfurthii* STAPE. PART I. VOACAMINE AND VOBTUSINE. F. Fish, F. Newcombe and J. Poisson.

2. VEGETABLE PURGATIVES CONTAINING ANTHRACENE DERIVATIVES. PART XI. Further work on the aloin-like substance of *Rhamnus purshiana* DC. J. W. Fairbairn and S. Simic.

3. ANATOMICAL STUDIES IN THE GENUS DIGITALIS. PART II. THE ANATOMY OF THE INFLORESCENCE OF *D. lanata* L. P. S. Cowley and J. M. Rowson.

4. STUDIES IN THE GENUS DIGITALIS. PART VI. VARIATIONS IN GLYCOSIDAL CONTENT OF BRITISH CLONES OF *D. purpurea*. J. M. Rowson.

5. STUDIES IN THE GENUS DIGITALIS. PART VII. VARIATIONS IN GLYCOSIDAL CONTENT WITHIN CLONES OF *D. purpurea*. J. M. Rowson.

#### SCIENCE SESSION (section B)

6. THE STRENGTH OF COMPRESSED TABLETS. PART I. THE MEASUREMENT OF TABLET STRENGTH AND ITS RELATION TO COMPRESSION FORCES. E. Shotton and D. Ganderton.

7. THE STRENGTH OF COMPRESSED TABLETS. PART II. THE BONDING OF GRANULES DURING COMPRESSION. E. Shotton and D. Ganderton.

8. THE USE OF LAMINAR LUBRICANTS IN COMPACTION PROCESSES. D. Train and J. A. Hersey.

9. THE EMULSIFYING PROPERTIES OF GUM ACACIA. E. Shotton, K. Wibberley.

10. RHEOLOGY OF ACACIA STABILISED EMULSIONS. E. Shotton and R. F. White.

11. A NOTE ON THE STABILITY OF SOLU-

TIONS OF PHENYLEPHRINE. G. B. West and T. D. Whittet.

#### Tuesday morning, September 6 PROFESSIONAL SESSION

"CHANGE TO THE METRIC SYSTEM IN PHARMACEUTICAL PRACTICE." Opening paper by K. R. Capper.

#### Tuesday afternoon, September 6 SCIENCE SESSION (section A)

12. PRELIMINARY STUDIES OF THE HEAT RESISTANCE OF BACTERIAL SPORES ON PAPER CARRIERS. A. M. Cook and M. R. W. Brown.

13. MOULD SPORE SUSPENSIONS AND POWDERS FOR USE IN FUNGICIDAL KINETIC STUDIES. PART I. PRELIMINARY EXPERIMENTS WITH *Rhizopus nigricans* AND *Penicillium digitatum*. M. R. W. Brown and K. Bullock.

14. MOULD SPORE SUSPENSIONS AND POWDERS FOR USE IN FUNGICIDAL KINETIC STUDIES. PART II. PREPARATIONS USING *Penicillium spinulosum*. H. N. Gerrard, Ann V. Harkiss and K. Bullock.

15. THE EFFECT OF PIPETTING ON THE CONCENTRATION OF HOMOGENEOUS SPORE SUSPENSIONS. H. N. Gerrard and G. S. Porter.

16. NEUROMUSCULAR BLOCKING AGENTS. PART VII. LINEAR POLYONIUM ETHERS. D. Edwards, J. J. Lewis, D. E. McPhail, T. C. Muir and J. B. Stenlake.

17. THE EFFECT OF THALIDOMIDE IN EXPERIMENTAL GASTRIC ULCERS. K. Martin-dale, G. F. Somers and C. W. M. Wilson.

#### SCIENCE SESSION (section B)

18. AN ENZYMATIC METHOD FOR THE DETERMINATION OF PREDNISOLONE PHOSPHATE IN PHARMACEUTICAL PREPARATIONS. P. F. G. Boon.

19. THE PRECISION OF SOME PROCEDURES IN PHARMACEUTICAL ANALYSIS. PART II. TITRATIONS. A. R. Rogers.

20. PHYSICO-CHEMICAL STUDIES OF (1-METHYL-2-PYRROLIDYL) METHYL BENZILATE METHYL-METHOSULPHATE. PART I. THE DETERMINATION OF (1-METHYL-2-PYRROLIDYL) METHYL BENZILATE METHYL METHOSULPHATE IN THE PRESENCE OF ITS BREAK-DOWN PRODUCTS. D. O. Singleton and Miss G. M. Wells.

21. SEPARATION AND ESTIMATION OF PURINE AND PYRIMIDINE BASES FROM A BOILED SUSPENSION OF *Micrococcus Flavus*. K. W. Gerritsma and H. P. Levius.

22. AN INVESTIGATION INTO THE EFFECTIVENESS OF VARIOUS ANTIOXIDANTS ON THE PRESERVATION OF FRESH GROUNDNUT OIL (FOOD GRADE) B.P. G. A. Birchall and R. I. Felix.

#### Wednesday morning, September 7 SCIENCE SESSION

23. AN EXAMINATION OF THE DECOMPOSITION OF DEXTROSE SOLUTIONS DURING STERILISATION. W. T. Wing.

24. A SHORTER STERILISING CYCLE FOR SOLUTIONS HEATED IN AN AUTOCLAVE. G. R. Wilkinson, F. G. Peacock and E. L. Robins.

25. SOME FACTORS INVOLVED IN MULTIPLE SPOT FORMATION IN THE PAPER CHROMATOGRAPHY OF SYMPATHOMIMETIC AMINES IN THE PRESENCE OF ACIDS. A. H. Beckett, M. A. Beaven and Ann E. Robinson.

#### Thursday morning, September 8 SYMPOSIUM SESSION

"CHEMICAL DISINFECTION." S. E. Jacobs, J. G. Davis and A. H. Walters; and A. M. Cook.

#### Friday morning, September 9 SCIENCE SESSION

26. THE ASSAY OF STILBOESTROL BY THE ISOTOPE DILUTION TECHNIQUE. R. Fleming.

27. THE DETERMINATION OF *n*-VALUES FOR SOME AMINOACRIDINES BY CONTROLLED POTENTIAL COULOMETRIC REDUCTION. Miss F. P. Wilson, C. G. Butler, P. H. B. Ingle and H. Taylor.

28. THE DETERMINATION OF THE RELATIVE CONFIGURATION OF MORPHINE LEVOPHANOL AND LAEVO-PHENAZOCINE BY STEREOSELECTIVE ADSORBENTS. A. H. Beckett and Patricia Anderson.

29. PREPARATION OF <sup>35</sup>S LABELLED TRIMEPRAZINE TARTRATE SUSTAINED ACTION PRODUCT FOR ITS EVALUATION IN MAN. Earl Rosen and Joseph V. Swintosky.

30. THE ASSIMILATION AND ELIMINATION OF IRON ADMINISTERED ORALLY TO THE DOG AS FERROUS ISO-ASCORBATE AND FERROUS AMMONIUM SULPHATE. H. D. C. Rapson, A. A. Lewis and Jean M. Mountford.

#### PROFESSIONAL SESSION

"PROFESSIONAL RESPONSIBILITIES OF THE PHARMACIST IN THE SUPPLY OF MEDICINAL SUBSTANCES." C. G. Drummond, A. D. Macdonald and H. Noble.

#### Friday afternoon, September 9 SCIENCE SESSION

31. PHOSPHATIDE MEMBRANES. L. Saunders.

32. DETECTION OF LYSOLECITHIN IN A SAMPLE OF EGG LECITHIN. L. Saunders and J. Perrin.

33. THE SIZE, SHAPE AND HYDRATION OF CETOMACROGOL 1000 MICELLES. P. H. Elworthy.



## MANUFACTURERS' ACTIVITIES

**Tie-up with Film.**—Large-scale advertisements by Aspro-Nicholas, Ltd., Slough, Bucks, have linked Aspro with the recently launched film "Doctor in Love" in which the product features prominently. In addition, tickets for seats in cinemas showing the film were distributed to teaching hospitals.

**Surprise for Pensioners.**—Recognising that a pension rate decided several years ago was inadequate to meet present-day costs, the directors of Jeyes' Sanitary Compounds Co., Ltd., reviewed the situation. Finding that many of the pensioners, having retired only a short time after the pension scheme had been inaugurated, had not contributed enough to qualify for a large pension, the board decided to give *ex-gratia* payments of £1 a week, in most cases, to the majority of the company's retired employees.

**Scientific Equipment Exhibition.**—The Griffin & George group of companies, Ealing Road, Alperton, Wembley, Middlesex, held recently what was claimed to be one of the largest exhibitions of scientific equipment ever organised in the United Kingdom by one firm. The equipment not only comprised the latest equipment devised and developed by Griffin & George, but that, also, of over twenty of the manufacturers whose equipment is sold by Griffin & George (Sales), Ltd., in many instances throughout the world.

**Host To Soviet Scientists.**—A team of Soviet scientists visited Britain recently as guests of Fisons Fertilisers, Ltd. Their programme included technical discussions at the company's head office at Felixstowe and at Levington research station, one of the most modern fertiliser research establishments in Western Europe. They also toured major fertiliser manufacturing plants, including the company's new Thames-side nitrogen works, built as part of a £4½ million project and opened in 1959, and the company's superphosphate factory at Immingham.

**Flasks for Three Expeditions.**—Vacuum flasks and food jars supplied by Vacco, Ltd., Newhaven, Sussex, were carried by three expeditions that left the United Kingdom. On June 16 a party left Cambridge to survey the mediaeval Crusader castle of Margat, Syria, and to examine other castles for Byzantine remains before completing a round-Mediterranean journey by returning along the North African coast. They carried Vacco Master flasks, the family size to keep water cold by day, the standard size for hot drinks at night. The Cambridge Trans-American Expedition embarked for Argentina early in July to engage on a 25,000-mile journey by Land Rover from Tierra del Fuego up the west coast of the Americas through fifteen countries to Alaska. The party carried large Vacco tea flasks and vacuum food jars. The third party, a high-altitude physiological expedition from Middlesex Hospital School, is spending four weeks at an altitude of 15,000 ft. on Mont Blanc.

**Doctor's Annual Meeting Displays.**—While the British Medical Association was meeting in Torquay, June

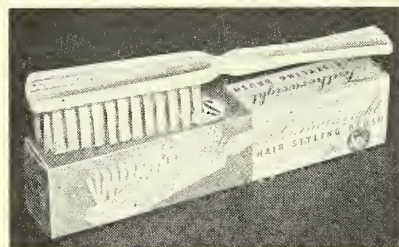
20-24, some retail pharmacies in the town carried a display of which the central point was a showcard worded:

During this week of the BMA Annual Meeting in Torquay we show some of the products of the Duncan Flockhart



**PRESENTATION TO CHAIRMAN.** Mr. G. Haworth (chairman and joint managing director, Edward Taylor, Ltd.), being presented with a chair longue and a portable radio, on his retirement after fifty-six year service with the company. The presentation was made by Mr. A. I. Beaven (joint managing director). The new chairman (Colonel Charles Portland Robinson) on Mr. Haworth's left. Mr. R. Lant (the new joint managing director) is on the extreme right and Mr. A. F. Johnston (the new sales director) is at the left of the group.

## NEW PRODUCTS AND PACKS



**A "FEATHERWEIGHT" BRUSH:** The "Featherweight" ladies' hair-styling brush shown here is by Spa Brushes, Ltd., Chesham, Bucks. It is available in pink, blue, green and natural plastic filled with nylon tufts, and is packed in presentation box.

**Intestinal Antiseptic.**—Roussel Laboratories, Ltd., 847 Harrow Road, London, N.W.10, announce the introduction of a new product, Soframycin oral tablets, 250 mgm., for pre-operative and post-operative intestinal antiseptics. The pack is a bottle of twenty.

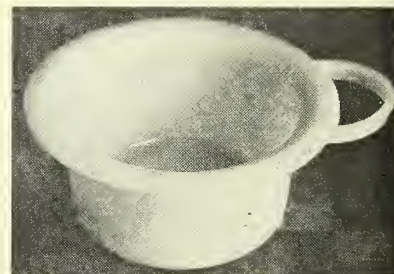


**IMPROVED PACK:** The new pack of Arrid roll-on deodorant, manufacturers of which are Prested Products, Ltd., Maple Cross Industrial Estate, Rickmansworth, Herts.

Research Laboratories. Although generally speaking these products are on prescription only, this week seems an appropriate occasion to display publicly some of the many potent remedies now being placed at the service of the medical profession by the pharmaceutical industry.

**Twin Pack.**—"Double Wonder," pack that includes a lipstick and hand bag-size phial of matching nail lacquer has been issued by Jane Seymour, Ltd. 162 New Bond Street, London, W.1. The colours are cool pineapple and Paradise pinks and Sahara red.

**Luminous Nursery Chamber.**—Feature of a nursery chamber in high grade polythene offered by Servi



Speciality Supplies, 12 Ogle Street, London, W.1, is that it gives off strong white glow in the dark, enabling toddlers and babies to be attended to without lighting up the room.

**Hair Conditioner, Set and Dressing.**—A product newly launched by J. & E. Atkinson, Ltd., 24 Old Bond Street, London, W.1, under the name Vital is





described as an "all-in-one" hair discovery. Vital is for conditioning and setting the hair and for use as a beauty hair dressing. It is claimed to give constant protection against dandruff. The pack and outer are as shown.

**Flame of Spain in Cosmetics.**—Introducing a new lipstick shade "Flama Grande," Revlon International Corporation, Ltd., 86 Brook Street, London, W.1, describe it as "born somewhere between fiesta and siesta . . . born for the beautiful and the brave!" The shade is a "fierce, passionate, true red glowing with all the excite-

ment, colour and warmth of Spain." It is available in lipstick (lustrous and lanolite non-smear); and nail enamel (plain and frosted).

**In Britain Now.**—The products of Parfums Raphael, 43 Avenue Kléber, Paris, France, are now available in the United Kingdom through E. M. Douek & Co., Ltd., 39 George Street, London, W.1. The range includes Replique (compounded from Bulgarian rose, incense and jasmine) and Plaisir (jasmine, rose and precious wood) perfumes, toilet water, pressurised spray, toilet soap, bath oil and toilet powder;

Démon perfume and toilet water; and eaux de Cologne Raphael and for men.

**Versatile Protector.**—Mondart, Ltd., 49 Park Lane, London, W.1, are marketing a paintproof and waterproof sheet of strong polythene, size 6 ft. x 9 ft., that is suitable as a protection for floors and furniture during redecorating and spring cleaning; to keep stored furniture free from damp and dust; for saving rugs and carpets during meal-times; as a ground-sheet for picnics; to protect plants from frost and damage by birds, etc.

## SALES COMPETITIONS RESULTS

**Chemists Take First Three Places.**—Chemists were successful in gaining all three prizes in the chemists-hairdressers' section of the window display competition for Tweed products organised by the makers, Lenthalic, Ltd., 17 Old Bond Street, London, W.1. They were: First, Boots, Ltd., Tredegar, Mon; second, Mr. E. P. Northover, M.P.S., Northampton; and third, Mr. G. Cairns, M.P.S., Hawick, Roxburghs. Nearly 300 photographs were submitted for the competition which was in two sections (1) stores (2) other retail outlets (chemists and hairdressers). Winners of the first prizes will receive a trip to the South of France for two people as guests of Lenthalic. The second prize winners each receive £75 and the third a transistor radio set. Judging was based on the immediate interest aroused by the display and its ability to attract shoppers to buy Tweed products at the price level in which they are sold; points were given for imagination as well as good arrangement. The judges commented favourably on the standard of displays and the time and imagination so many stockists had given to the project. Some failed

through over-imagination which confused the "message," others through too much stress on "tweediness" and too little on femininity or on quantity rather than quality. But the final choice from about twelve excellent displays was a close and difficult one.

**Prizes for Assistants.**—The Sebbix hairlines competition for chemists' assistants, launched on April 23, was

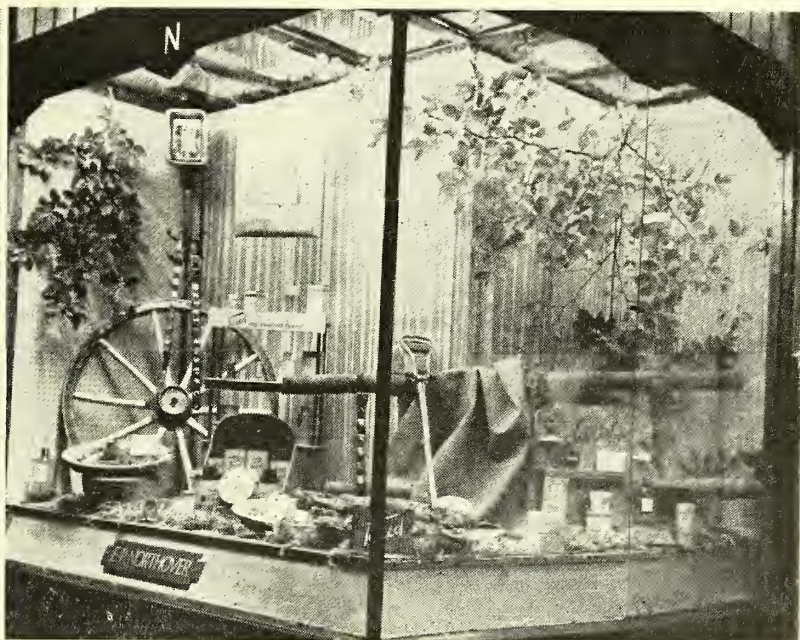
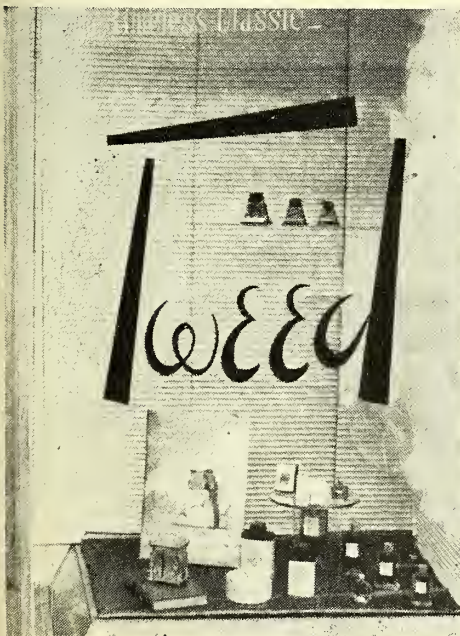


Miss Gain, seen here with her employer (Mr. E. J. Luck), receives her cheque for £100 from Mr. H. A. E. Spalding, M.P.S. (pharmaceutical sales manager, Genatosan, Ltd.).

won by Miss Dorothy Gain, who is employed by Mr. E. J. Luck, M.P.S., 15 Southgate Street, Winchester.

Second was Miss Sandra Dunn, Edinburgh, and third Miss Joan Fillingham, Liverpool. There were 100 consolation prizewinners. A combination of good taste, careful discrimination and product knowledge was required for success in the competition, the principal feature of which was the matching of the most suitable hair styles to a series of faces. Miss Gain received £100, Miss Dunn £50, Miss Fillingham £25.

**Chemists' Assistants' Successes.**—Chemists' assistants led hairdressing assistants by two to one in the "Orange Blossom" perfume competition organised by Saville Perfumery, Ltd., Rickmansworth Road, Watford, Herts. First-class return tickets for two to Nice by Air France Caravelle, a visit to the orange groves, and £100 to spend were won by Miss Yvette Davies, an assistant to Thomas H. Potts, M.P.S., 14 Norwood Road, London, S.E.24, who receives the dealer's £50 prize. Third prize (shoes and accessories value £25 by Rayne) went to Miss M. Tanner, an assistant with H. & N. Williams (Chemists), Ltd., Savoy Pharmacy, 277 Basingstoke Road, Reading, Berks (dealer's prize: £10).



**PRIZE-WINNING DISPLAYS:** Good use of a small window (left) won a first prize in the Lenthalic window display competition for Boots, Ltd., 105 Commercial Street, Tredegar, Mon. The corner window display by Mr. E. P. Northover, M.P.S., 32 Harlestone Road, Northampton, was awarded second prize in the chemists' category.



## PHOTOGRAPHIC NOTES

**Coupled Rangefinder.**—Agfa, Ltd., 27 Regent Street, London, S.W.1, have introduced a new Agfa Super Silette 35 mm. camera with combined coupled rangefinder and brightline viewfinder. The camera has an  $f/2.8$ , 45-mm. Color-Apotar coated lens, and 10-speed Pronor SVS shutter, 1 to 1/500 sec.

**Lens Hood.**—A new lens hood is available for the Sportsman range of cameras of Ilford, Ltd., Ilford, Essex. The hood is square-shaped, and made of spun aluminium, sprayed black on the inside and designed to fit over the camera lens mount or filter mount if that is in use. The hood incorporates adjustable lugs to compensate for slight variations in lens-mount diameters.

**35-mm. Colour Camera.**—The Francolor 35-mm. colour camera has a Color Franka  $f/2.8$  lens and 3-speed Vario shutter; front-cell focusing (3.5 ft. to infinity) with special snapshot setting; double-exposure prevention device; automatic film counter dial; suspended frame luminous view-finder and flash synchronisation. Distributors are R. F. Hunter, Ltd., 51 Grays Inn Road, London, W.C.1.

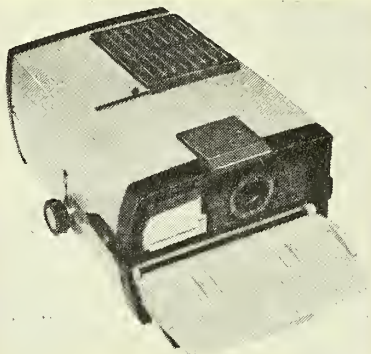
**Prices Reduced.**—Johnsons of Hendon, Ltd., 335 Hendon Way, London, N.W.4, announce that under the terms of the European Free Trade Association, the rate of duty on imports from Austria has been reduced. Eumig cine cameras, projectors and accessories have been, therefore, invoiced at reduced prices since July 1, even though supplies are from stock at which the higher rate of duty had been paid. However, the company are not in a position to accept claims for the difference in selling price.

**A 35-mm. Pack.**—Temple Photo Service, 133 Duckmoor Road, Ashton Gate, Bristol, 3, have redesigned, for dealers who prefer to send out their processed 35-mm. films in uncut lengths, their T.P.S. pack so that it is  $\frac{1}{2}$  in. shorter than the previous model. That enables it to fit the 6 x 4-in. wallets now generally adopted in the photo-finishing trade as standard. Prices are also reduced, the parcel containing 100 negative platforms and sleeves and 520-ft. roll of Glassine lining paper now 12s. 6d. instead of 14s.; 100 stiff outer cartons to contain the platforms are 12s. rather than 14s. as previously charged; negative reprint order forms are reduced from 1s. 9d. to 1s. 6d. per 100, and spare rolls of lining paper (enough for 100 35-mm. films) are now 3s. in place of 4s. Quantity discounts are available.

**Stolen Cameras.**—Rank Precision Industries, Ltd., 37 Mortimer Street, London, W.1, give the following details of stolen cameras, etc. Cameras model 624B, serial no. D.11425; model 605B, serial no. D.4460; 1-1 $\frac{1}{2}$  in.  $f/1.9$  Serital lens, serial no. 560935; 1-6 $\frac{1}{2}$ -mm.  $f/1.75$  Pelotal lens, serial no. 552316, all stolen from Jakens of Seaford, Ltd., 39 High Street, Seaford, Sussex. Model 624B camera, serial no. D4313, stolen from the car of Mr. M. Bayley, 82 Frankfurt Road, London, S.E.24, while he was in Paris. Model 624EV camera, serial no. D.73624, stolen from Fulham Camera

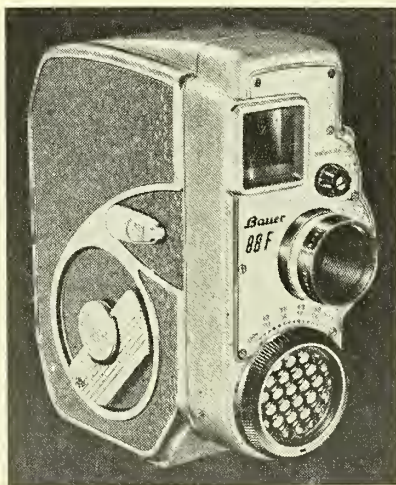
Shop, 494 Fulham Road, London, S.W.6. Model 624B camera, serial no. D.7294, stolen from Dr. John R. Hart, Half-Acre, St. Stephens-by-Launceston, Cornwall. Model 624EE camera, serial no. 52234, stolen from Boots, Ltd., Broad Street, Reading. Any information regarding the equipment should be passed to the company's service department at Mitcheldean, Glos.

**Portable Auto-change Projector.**—Pullin Optical Co., Ltd., 93 New Cavendish Street, London, W.1, have received into Great Britain the latest



addition to the Paximat range of 2 x 2-in. still projectors. The model is completely portable. It takes a 200-watt type A1/26 lamp giving a concentrated light source. The motor is standard model for 220-50 volts a.c. with built-in blower. The lens is an 85-mm.  $f/2.8$  with focusing by hand. Loading is by magazine holding thirty-six transparency holders. Weight is 6 lb. 1 oz.; dimensions 11 $\frac{1}{4}$  x 8 x 5 $\frac{1}{2}$  in.

**Latest Model.**—The most recent camera in the Bauer 8-mm. range of cameras, the 88F, is fitted with a coupled photo-electric cell exposure meter and over-ride manual control. Accessories include wide-angle and telephoto lens attachments, viewer attachments, miniature titler and wide-screen fitment. The lens is an  $f/1.8$



Schneider-Kreuznach Xenoplan. Suppliers are Neville Brown & Co., Ltd., 77 Newman Street, London, W.1.

## TRADE NOTES

**Addition to Range.**—Boots Pure Drug Co., Ltd., Station Street, Nottingham, announce the introduction of Metastab tablets, 4-mgm., in containers of thirty and 100.

**Prices Reduced.**—Phillips, Scott & Turner, Ltd., 179 Acton Vale, London, W.3, announce that trade prices of Phillips' tooth-paste have been reduced. Retail prices are unchanged.

**Annual Holidays.**—Thomas Kerfoot & Co., Ltd., announce that their laboratories at Vale of Bardsley, Lancs, are closing for annual holidays, August 19-29. The London depôt, Bardsley House, Upper Street, N.1, will be open during that period.

**Available as Elixir.**—In response to requests from doctors, Smith & Nephew Pharmaceuticals, Ltd., Welwyn Garden City, Herts, have introduced Wellform in liquid form for children and those who are unable to swallow tablets. Wellform elixir contains gr. 2 $\frac{1}{2}$  of dichloralphenazone per teaspoonful. It is presented in bottles of 4 and 20 fl. oz.

**Oral Progestogen.**—Organon Laboratories, Ltd., Brettenham House, Lancaster Place, London, W.C.2, announce the introduction of Gestanin, a new, safe oral progestogen, as scored tablets each containing 5 mgm. of allylestrenol. The packs are bottles of thirty and 100 tablets. Supplies are available from August 8.

**Films Catalogue.**—A new illustrated catalogue of BP film titles has been published, which includes a brief synopsis and other details such as the running time of each film. Copies of the catalogue are available free from BP Information Department, British Petroleum Co., Ltd., Britannic House, Finsbury Circus, London, E.C.2.

**Shaver Prices Reduced.**—Substantial price reductions, effective to the public from September 1, have been announced by Remington Electric Shaver, Ltd. The company's managing director has stated that the reductions have been made possible by increased production figures at the plant at Thornliebank. The company's £2 trade-in offer is being discontinued and a compensatory offer applying to shelf stocks at the introduction of the revised prices is being made to retailers and wholesalers.

**Christmas Showrooms.**—1960 packs of Roberts Windsor products are being shown at a series of showrooms in August and September, as follows:—

SOUTHAMPTON, Polygon hotel, August 15-18.  
BRISTOL, Royal hotel, August 22-26.  
HULL, Royal Station hotel, August 23-25.  
LEEDS, Great Northern hotel,  
August 29 to September 2.  
LIVERPOOL, Adelphi hotel,  
August 29 to September 2.  
NEWCASTLE, Royal Turks Head hotel,  
August 29 to September 2.  
BIRMINGHAM, Grand hotel, September 5-9.  
CARDIFF, Royal hotel, September 5-9.  
GLASGOW, St. Enoch hotel, September 5-9.  
MANCHESTER, Midland hotel, September 5-9.  
EDINBURGH, North British hotel,  
September 12-15.

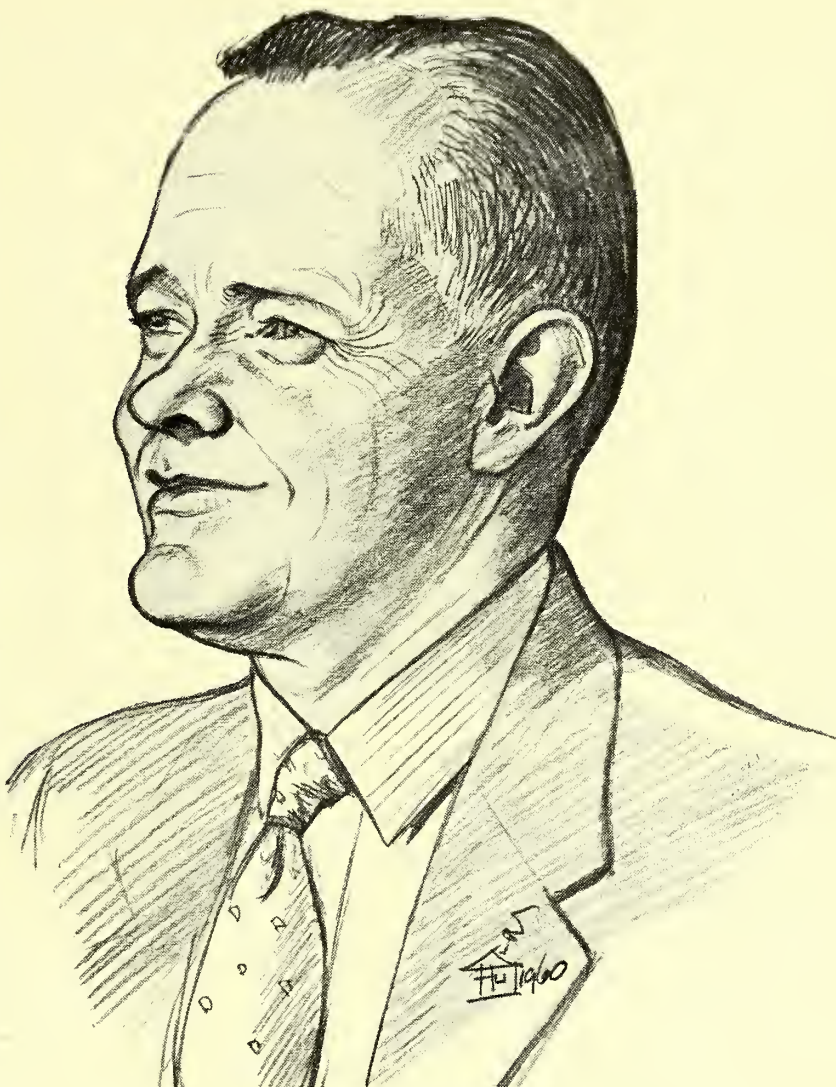
NORWICH, Castle hotel, September 12-15.  
BRIGHTON, Grand hotel, September 19-22.  
BELFAST, Grand hotel, September 19-22.

The manufacturers are Roberts Windsor, Ltd., The Acre, Windsor, Berks.



## FIGURES IN THE PHARMACEUTICAL WORLD

FOR the authentic voice of Lancashire in matters of the pharmaceutical service one should tune in to Mr. Medcalfe, M.P.S., Lancaster. It is not simply that, as secretary of the Lancashire Pharmaceutical Committee for over six years he has his finger on the pulse of contractors' affairs. It is rather that he knows contractors' problems through and through from personal encounter throughout his professional career. Even more it is because Lancashire and its people mean everything to him. Lancashire, he will tell you, is a microcosm, pharmaceutically speaking, of the whole country. Within its borders it has pharmacies of urban and rural, seaside, industrial and residential, down-town and suburban types—the whole range, with perhaps a few unclassifiable businesses thrown in. No secretary of a Pharmaceutical Committee is so likely to be presented with all the problems a contractor can come up against. By the same token, Mr. Medcalfe might argue the most workable answer is more likely to be thrown up in his county than in areas elsewhere with less variety or with greater dilution of a given kind of pharmaceutical business. Perhaps in putting things on that geographical basis, Mr. Medcalfe does less than justice to his own energetic tackling of any crisis when it arises in his "parish," often requiring him to travel at short notice to parts of the county remote from his own. Such travels and contacts help to account for the breadth of his knowledge and resource in Pharmaceutical Committee work. They do not explain its depth and stature. Those come from his having been associated with the birth, nurture and maturity of a successful business in Lancaster. He entered upon an apprenticeship with his uncle, the late Mr. Abraham Denny Fox, on the very day on which that successful and respected pharmacist was opening the pharmacy at 37 King Street. Eventually (in 1953) when the business became Fox & Medcalfe, Ltd., the nephew had served there a four-year apprenticeship, stayed on as assistant, and returned after qualifying (from the Royal Dispensary and School of Pharmacy ("Duncan's"), Edinburgh in 1935) and after war service as Sick Berth Petty Officer at the Royal Naval Hospital, Port Edgar, 1942-46. The business for many years of a generalised mixed type, has tended in recent years to specialise in dispensing and in surgical fittings (Mr. Medcalfe holds the certificate in truss fitting of the Institute of British Surgical Technicians), two fields calculated to give him, surely, the qualifications for an ideal Pharmaceutical Committee secretary, and an eminently good groundwork on which to superimpose a widening grasp of the problems of colleagues differently placed. First elected to membership of the Committee in 1948, and was unanimously elected to the secretaryship when Mr. Fred Hindle retired in 1954. He enjoys the work and has been most successful at it. No one was prouder that, when the rest of the country had to be content



MR. ANDREW MEDCALFE

with averaging and delays, Lancashire was enjoying full pricing and prompt payment. No one was more chagrined when the bureau at Preston was taken over by the Joint Pricing Committee, with the result that the county became reduced to the status—payment-wise—of the remainder of the country.

Naturally Mr. Medcalfe's strong county patriotism does not always commend itself to chemists in the rest of the country or, possibly, always at the headquarters of the Central National Health Service Committee. It is rumoured that in some quarters he and his Committee have attracted the nickname of Lancashire Tank Corps. Nevertheless, even those who do not always see eye to eye with Mr. Medcalfe have the greatest respect for his informed sincerity, and most of them, in fact, fall victim to his humour, loyalty and charm. As a debater he is heard to good advantage at Pharmaceutical Committee Conferences, and he is even more effective when con-

tributing to area meetings in his own locality. Active also in Pharmaceutical Society branch affairs, he has, since the end of the war, missed only two meetings of his branch, in which he has held office for one year as assistant secretary and for one year (1951-52) as chairman. He is, of course, a member of the Lancashire Executive Council and at present vice-chairman of its finance and general purposes committee.

Whether or not the county epitomises the whole country in its variety of types of business, the area of the Committee is still too large for frequent meetings of the full committee. It speaks worlds for the esteem in which members hold their two-man team of chairman (Mr. Harold Bradshaw, Formby) and secretary that between the two or three committee meetings a year they leave to that competent pair the running of affairs content that they will be well looked after. They are.



## HEALTH SERVICE COSTS 1959-60

### More comments by Committee of Public Accounts

THE machinery at the Ministry of Health was inadequate for investigating and ascertaining whether or not the advertising costs of proprietary medicines were excessive, stated the Committee of Public Accounts in its second report on the first session of Parliament, 1959-60 (H.M. Stationery Office, price 2s.). The Committee noted that the cost of the Pharmaceutical Services continued to increase and, although the total number of prescriptions dispensed fell from 228 millions in 1957 to 224 millions in 1958, their total cost rose from £68 millions to £73 millions. The average cost per prescription rose from 5s. 11½d. to 6s. 6½d. Within that total, the cost of proprietary preparations had risen, by 1958-59, to about £34.5 millions, representing over 70 per cent. of the cost of ingredients of all prescriptions. Of the £34.5 millions, about £4.5 millions related to categories over which no price control was exercised. The remaining £30 millions related to preparations that the Cohen Committee classified as having active therapeutic constituents that were identical with, or modifications of, those of standard preparations.

The Committee referred in the report to the voluntary price-regulation scheme negotiated between the Ministry of Health and the manufacturers that was expected to save the Exchequer up to £750,000 on an annual expenditure of £20 millions, but had resulted only in price reductions estimated to save only £412,000 on an annual expenditure of £28 millions.

The provisions agreed in the scheme, under which a manufacturer was free to fix the price of a product during its first three years on the market, had applied to nearly 30 per cent., by value, of the products covered by the scheme — a higher portion than expected. The object of the provision was to allow a manufacturer to recover the research costs. The Committee "recognise that research must be encouraged, but the Ministry has stated that the research effort varies widely between firms and between products. . . . If it is decided to continue the scheme, the Ministry propose to seek a tightening-up of the provisions. The report adds: "No doubt this free period provides encouragement for the research work to discover new medicines; but it may offer an inducement to produce unnecessary variations of existing preparations."

#### Export Price as Criterion

The scheme's export price criterion, which had applied to 30 per cent. of the products by value, had been given priority in the belief that export prices were competitive, but the Ministry "admit that they cannot demonstrate competition as far as they would like in the world market, and this must be particularly so when a drug is protected by world-wide patents." The Committee welcomed the Ministry's suggestion to the manufacturers that the extent of application of the export price criteria should be reduced if the scheme was continued. In that connection the Committee note "that this criterion is the

average export price, whereas they would have considered that the National Health Service, being usually the largest customer, might reasonably expect to pay no more than the lowest export price, unless that price can be demonstrated to be uneconomic for a particular drug."

The trade-price formula criterion had applied to 22 per cent. by value and had been less productive of savings than expected and "here also the Ministry hoped to negotiate some tightening up." The Ministry did not contemplate testing the fairness of prices under the scheme by ascertaining the actual costs of producing and marketing any particular drug, because the whole object of the scheme was to avoid investigating actual costs and profits.

The evidence adduced before the Committee was insufficient to enable it to give an assurance to Parliament that prices charged to the Health Service were no more than fair and reasonable, particularly so far as the three-year "free period" was concerned. The Ministry had little or no information about costs or profits relating to proprietaries, and the only information available about trading results was the published accounts of firms engaged in pharmaceutical manufacturing, many of

whom had substantial business not connected with the Health Service. That information, while indicating high profits, was inconclusive. The Committee therefore recommended that the Ministry should, as a matter of urgency, get fuller and more reliable information.

The Committee inquired also into the effect on prices of expenditure on advertising. Although "ethical" proprietary drugs were not advertised to the public, considerable sums were spent on the sales promotion of such drugs and must be reflected in their prices. The Ministry found that a great problem. They had taken steps to discourage excessive sales promotion by speeding-up the issue of authentic information about new drugs to doctors, particularly through the new prescribing handbook, and hoped that a new advertising code issued by the Association of British Pharmaceutical Industry would limit the more extreme forms of advertising. The section of the Report ends "It is clear to Your Committee that the machinery of the Ministry for investigating the facts about advertising costs and whether they are or are not excessive is totally inadequate. Before the Ministry can decide what action is appropriate, it is essential that they should know how much is in fact spent on such advertising and how big an ingredient it is in the price of Health Service drugs."

## Correspondence

Letters when received must bear the name and address of the sender, not necessarily for publication. The Editor does not hold himself responsible for the views expressed.

### Limitation

SIR,—Limitation of pharmacies, a cause for which Mr. Medcalfe puts forward so reasonable and persuasive a case (*C. & D.*, July 30, p. 129), has its own drawbacks. Many a German or Danish pharmacist who would have liked to become a proprietor has reached advanced years before — or even without — securing a licence to open.

EUROPA

### "For Professional Services . . ."

SIR,—As the future professional rôle of the pharmacist is to advise medical practitioners, I suggest an early amendment of the Society's "Code of Ethics" to cover the point. First, a scale of fees for advice on pharmaceutical matters, and a statement that "unprofessional conduct" will include the offering of gratuitous advice. Also that recommendation of a proprietary preparation would be an offence if the pharmacist had an interest in the proprietary by way of bonus, commission or salary.

BEWITCHED

### Unacceptable Behaviour

SIR,—The raising of the status of the pharmacist from that of a mere dispenser of medicines to adviser to the medical profession (presumably without pay for this new service), caused me to read very carefully the two pounds' weight of medical literature which arrived during my recent three weeks' holiday. A new wonder drug with formula 7-chloro-2-methylamin-5-phenyl- 3H-1, 4 benzodiazapine-4-oxide hydrochloride

is especially to be recommended for behavioural disorders in children, since it "produces a general reversal of unacceptable behaviour, dramatically reducing aggressiveness." Whilst I appreciate that parents always desire the most modern remedies for their ailing offspring, my own advice in case of "unacceptable behaviour" in children will continue to be a good old-fashioned smack on the backside.

C. H. PATRICK,  
Twynford, Berks

### CAN YOU READ IT ?

R: N.B.  
1) New 1/2 mg tablets  
doubtless  
open  
Vix  
2) 2H 1/2  
3) 1/2 mg 1/2 mg  
4) 1/2 mg 1/2 mg  
5) 1/2 mg 1/2 mg  
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THE item at the foot of the prescription is understandable enough, but the remainder was solved only with the aid of a mirror by the London pharmacist who sent it in.





# The CHEMIST AND DRUGGIST

For Retailer, Wholesaler and Manufacturer

ESTABLISHED 1859

Published weekly at

28 Essex Street, Strand, London, W.C.2

TELEGRAMS: "CHEMICUS ESTRAND, LONDON"

TELEPHONE CENTRAL 6565

## Research and its Rewards

BY contrast with previous comments by committees investigating drug costs under the National Health Service, the latest report (see p. 160) appears commendably restrained. In it the Committee of Public Accounts reviews the results of the voluntary price regulation scheme operated since June 1957 under agreement between the Minister of Health and the Association of British Pharmaceutical Industry.

Nobody can rightly reject the Committee's statement that the three-year period of freedom from price restriction allowed under the scheme, while it has provided encouragement for research work aimed at discovering new medicines, has also been an inducement to some manufacturers to market unnecessary variations of existing preparations. Unfortunately there has been a tendency in some quarters to regard all manufacturers as mere "molecule manipulators" and to dismiss as valueless all marginal improvements of new drugs. If the only new drugs to be allowed to be marketed were such as could be proved to embody a "major break-through in research," then the industry, even those parts of it universally admitted to be an asset to the community, would find it almost impossible to exist. What is not readily appreciated, moreover, is that variants, usually produced by competitors, must when marketed inevitably have some effect on the price of the original compound.

In a reference to that part of the voluntary scheme that makes the average export price the criterion of cost, the Committee suggests that the National Health Service, being usually the largest customer, could reasonably expect to pay no more than the lowest export price, unless that price could be demonstrated to be uneconomic for a particular drug. To us there appears little comparable between an export price and a price applicable to the National Health Service. So far as the National Health Service is concerned the price of a single proprietary is that obtaining at the counter of the many pharmacies throughout the United Kingdom, whereas export orders are usually placed for bulk quantities in large consignments.

The Committee "noted" that the Ministry had no information about costs or profits relating to proprietaries, and recommended that the Ministry should, "as a matter of urgency, obtain fuller and more reliable information." How that is to be obtained without an investigation into the costs of individual organisations we cannot say, but we do not believe that the Government, on previous experience, would opt for a plain

"cost plus" basis of fixing prices. We shall await with keen interest information on proposed modifications of the present agreement, because while everybody would like the rewards of research to go to the real initiators of advances in treatments, to prevent others from "cashing-in" is no easy matter.

## Electronic Pharmacy?

ELECTRONIC techniques are being increasingly developed both to provide a fuller life by increased industrial productivity and to maintain a life impaired by disease or accident.

Much has been written of the industrial electronic applications. More needs now to be told of the expanding science of medical electronics, a science which, like pharmacy, combines many disciplines: of engineering, mechanical and electrical; biochemistry; physics; and chemistry—possibly others.

By transferring body functions such as breathing, temperature and blood flow into electrical energy, the means are available to provide a permanent record of biological changes. From there it is but a short and logical step to controlling such changes electronically. In the field of public health much work consists of the basic study of statistical data. The subject appears eminently suitable, therefore, for exploration by electronic computer techniques. A more spectacular application is in haematology, where it enables blood counts to be undertaken at phenomenal rates—50,000 cells, indeed, can be counted in 15 seconds.

At a recent conference Dr. Vladimir Zworkin (president of the International Federation of Medical Electronics) claimed that data storage systems could be designed capable of dealing with the health records of a community, of issuing questionnaires, analysing replies and warning patients in need of treatment. Other electronic systems could be developed that would help doctors to diagnose. Would it be a logical further step to harness electronics to dispensing? Dispensing by computer would clearly seem possible, especially if unit dose packs were designed. It would, however, in order to become feasible, require a large number of patients with the same symptoms at the same time and within convenient access of the computer—conditions never likely to be present except in an unusually intense epidemic.

## A PHARMACIST'S ANTHOLOGY

### NO! . . . I CANNOT GIVE IT AWAY

From "Tono-Bungay," by H. G. Wells.

"WHAT is Tono-Bungay?" I asked. . . .

"Well," said my uncle, and then leaned forward and spoke softly under cover of his hand, "It's nothing more or less than . . ."

(But here an unfortunate scruple intervenes. After all, Tono-Bungay is still a marketable commodity and in the hands of purchasers, who brought it from—among other vendors—me. No! I am afraid I cannot give it away.)

"You see," said my uncle in a slow confidential whisper, with eyes very wide and a creased forehead, "it's nice because of the" (here he mentioned a flavouring matter and an aromatic spirit), "it's stimulating because of" (here he mentioned two very vivid tonics, one with a marked action on the kidneys). "And the" (here he mentioned two other ingredients) "makes it pretty intoxicating. Cocks their tails. Then there's" (but I touch on the essential secret). "And there you are. I got it out of an old book of recipes—all except the" (here he mentioned the more virulent substance, the one that assails the kidneys), "which is my idea."



# MAINTENANCE *versus* CUTTING

## Issues examined and conclusions reached

**P**PRICE-CUTTING is often supposed to be virtuous and price-maintenance an imposition if not a vice. Why? Roguishness often apes respectability. There is a lot of flapdoodle talked by and about cutters. They are supposed in good conscience to be passing on to the deserving public who respond to their blandishments wonderful savings effected by new and more economic methods of retailing goods. They pretend to be concerned to cut the cost of living and help the family budget.

Deeds speak loudest, but alas!, only to those who know what they are talking about. The great British public do not understand this complicated issue. The instinct for a bargain runs deep and persistently and any retailer is foolish in ignoring it.

Watch the deeds of the price-cutters! They could pass on their vaunted savings by a discount from the bill's total. They could give "divi." They could, as in some continental stores (not usually "cutters"), give a credit note to folk who bring back a month's bills. Or they could cut the prices of essential commodities like sugar, bread, butter, bacon, eggs and milk—goods that are subject to natural fluctuations in producers' prices.

### *The Cutters' Way*

In fact they always choose to cut branded goods, whose proprietors have built up big and widespread trade with the support of reputable retailers and as the result of heavy advertising to the public. Cutters have to make "deep" cuts to something near or even below cost to entice purchasers. Such lines are often called loss-leaders, perhaps because they mislead. Occasionally the trickery is manifest, as in a well known cut-price store, where bags of bath salts were marked "2/-, our bargain price 1/6d." The same goods were being sold by a nearby chemist at the correct price of 1s. The practice of marking up so as to seem to mark down is part of the cajolery of the gutter cutter.

The real reason for cutting prices is to take business away from competitors. But if shoppers bought only cut lines from the cutter he would go bankrupt. He must sell other goods on which he makes a big profit and he must somehow conceal that dodge from the public.

All this seems obvious. Is it? It is usually effectively disguised by those who do it.

What part do manufacturers play? Some like or wink at cutting, and some indeed precipitate it by extravagant bonuses, as in the case of fruit squashes. Note well that, if manufacturers of leading brands encourage cutting, a reluctant minority may be compelled to follow suit, either because the public will not pay the higher price or because big and powerful cutters refuse to sell their products. What would you do, remembering that price-maintenance is a principle of business, rather than of morals.

The essential point to emphasise is that the manufacturer is free—subject to the above necessity—free to fix and maintain his chosen prices and to restrain in the courts those who would injure his trade and reputation. He ought to be free, if he thinks fit, to abandon price-maintenance temporarily as Vauxhall Motors did recently in order to sell accumulated stocks before a modified model is introduced; or as the publishers do in the booksellers' official annual sale of surplus volumes. Even more important in the public interest is the fact, apparent on every counter and in every window, that retail price maintenance does not and cannot hinder competition between manufacturers. Indeed it helps by ensuring that the prices intended and advertised by the manufacturers are in fact, the prices charged. Surely any manufacturer ought to have the legal protection of Section 25 if he wants it. That was presumably the reasoning behind that section of the Restrictive Prac-

tices Act, which some folk out of mistaken zeal for their arm-chair notion of the common good, wish to annul.

We can all think of products that are comparatively expensive to produce and for which the chief obstacle to big expansion in sales was a high retail price. If the manufacturer, having got his product established, can bring down his retail price at the expense of the retailer, he thinks himself worldly-wise if not clever. But what happens when the retailer gets tired of handling big quantities of goods of which he can make no profit? He encourages another product and keeps the cut line under the counter. Or he gets out a line of his own and "substitutes" it on every possible occasion, finally refusing to sell the cut line. That has been done and is being done by folk who still prattle glibly against price-maintenance. In an expanding market it may be some time before the manufacturer feels the pinch. But before he is aware of it he has lost control, not only of price but of quality and bargaining power. If he needs to put up his price to keep or improve quality he increases the retailer's resistance, even among cutters who find it hard to put prices up. If he wants to reduce his price, even for a temporary offer, his publicity is worthless because nobody knows "threepence off what?" Anybody who wants proof of the absurdity of coupon offers, special reductions, etc., should look at the detergents. He will see that they are devices in which the manufacturers persist only because nobody dare be the suicidal first and only one to stop. The cutting adventure is a Gadarene slope. The rush down it becomes, sooner or later, uncontrollable, and the end is ruin.

The manufacturer cannot halt that rush even by bringing out a new line. What retailer will buy a new line, however heavily advertised, if he knows that it will be widely cut perhaps below cost, on the day of the very first advertisement? Why bother to try to sell a new line if the profit has evaporated before you can sell the first packet? It has proved difficult to encourage cutting of Nescafe and at the same time, to promise (short of legal action) to discourage cutting of, Nestea. Mixed principles are always unpalatable mixtures.

### *Chemists' Special Case*

Where and how does the retail chemist fit into this picture, and what are the prospects? The chemist has a special case to plead but his chances of special treatment are thin.

He has to carry a big inventory and to cope with a bewildering and kaleidoscopic multiplicity of lines, sizes and varieties incessantly changing. Much of his stock has a slow rate of turnover and that is why Woolworths, among other stores, sell few medicines; and that is why price cutters will not bother with most of the items in the chemist's range. The chemist's greatest danger is cutting between chemists. His average sale per customer is low—probably well under 4s.—while a grocer's average per customer may run to several pounds weekly. The chemist cannot either by custom, or in accordance with his professional standard substitute as easily and blatantly as can other traders. He has higher selling costs, partly because of his more highly qualified and justly more highly paid staff. He has a long tradition of uniform and stable prices because of most efficient and unobtrusive work by the Proprietary Article Trade Association, which among other benefits has kept alive the memory of the "bad old days" of price cutting which depressed profits and wages so miserably.

He has lost substantial business to the grocer and general store—toilet soaps, tooth-pastes, beverages, disinfectant. That process need not hurt the chemist where the market is expanding, but in an almost saturated market, as for tooth-pastes, somebody else's gain must be his loss. The



same process also makes it difficult to assess the damage inflicted by price-cutting. How much of the chemist's loss in sales of Lucozade and Ribena is due to a wider distribution among grocers, greengrocers and even home-delivery vans, and how much to price-cutting since the manufacturers lost their court action about the charge for the bottle? How much of his lost business is due in some cases to shifts of population; to the housewife's change of buying habits; to a more attractive and obliging competitor with modern, brightly lit premises who might have taken away business even if he had not resorted to price-cutting? Those are questions to provoke heart-searching. The answers will not be disclosed in the fact-finding inquiry now being made by the Board of Trade.

Chemists are fortunate in that the big multiple firms have been and still are strong supporters of uniform prices, and have boldly declared that as their policy, from which, presumably, they would be driven only if general abandonment of price maintenance were to bring competition so close that the challenge must be met. Chemists have a special case. They already enjoy some privileges of their craft, and they doubtless deserve some considerate treatment of their case for continued price maintenance. Their voice may not penetrate the clamour of an issue that affects cars, refrigerators, gramophone records, books, stationery, and in strict logic should also affect coal, electricity, postage-stamps, telephones, and bus fares. They can only deserve special treatment if they really do effectively provide an essential public service so well as to hold public confidence and loyalty.

What are the likely effects upon the shopping public if price maintenance is everywhere abandoned? Any change in the Restrictive Trade Practices Act may be expected to include a provision whereby manufacturers may fix and perhaps take steps to enforce maximum prices but may stipulate no minimum prices. We are sometimes reminded

that, when the women's organisations were consulted some few years ago, they expressed themselves in favour of standard, fixed prices. Millions of women have, however, shown no reluctance to buy cut-price groceries. Of course, they are glad when the house-keeping money buys or seems to buy more, even if it be more of things they don't need.

The effects of price-cutting are long-term, and for most people difficult to envisage. Many small traders will be pushed out of business, and the number of convenient shops will be significantly reduced. As a direct result big groups, even perhaps groups like Spar, will become more powerful and will then dictate what goods, what limited varieties, and at what prices the public must buy. That has already happened to a wide extent in the bakery trade. Vast numbers of people can now buy only from the Co-operative Societies or from Westons.

Distinctive quality, personal service, free choice will become more limited, because price-cutting makes it difficult if not impossible to make any true comparison between the values of different brands of a commodity, and so interferes with real freedom of choice. Eventually, perhaps, some reaction from an exasperated public may set in. Nowadays, electric mixers make it easier for the housewife to bake her own bread and find how nice it is! Those are trends which only the really observant people can discern, and they need to be joined to the difficulties which will beset manufacturers, mentioned above, if their full import is to be seen. Those are trends which the Board of Trade inquiry cannot, by its very statistical fact-finding nature, disclose, since the characteristic that makes facts factual is their entanglement in the dead past.

You, readers of *THE CHEMIST AND DRUGGIST*, have a job to do if you believe that price-maintenance, fair trading, and public interest coincide. Convert everybody within reach to that opinion by a sober appraisal of the trends and fateful probabilities, and be wise in time.

## NEW BOOKS

### Directory of the Republic of the Sudan, 1960

*Diplomatic Press and Publishing Co., Ltd.*, 13 Cotswold Gardens, London, N.W.2. 11 x 8½ in. Pp. 195. 30s.

THE first section (pp. 146) covers general items of interest about the economic development, transport, foreign trade, etc., of the Sudan, and includes illustrations. In the second section is an alphabetical list of companies, followed by a classified list. A "Who's Who" giving short biographies of prominent persons in the Sudan is in the third section.

### Drugs of Choice, 1960-61

W. MODELL (editor). *Henry Kimpton*, 134 Great Portland Street, London, W.1. 9½ x 6½ in. Pp. 958. 101s. 6d.

THE forty-two chapters in this book have been contributed by forty-seven authors. They deal with currently available drugs from American pharmaceutical houses, indicating the factors that influence drug choice and discussing in detail pharmacological groupings. The drugs dealt with are conveniently listed at the end of the book. The first volume (1958-59) required overhauling after two years to enable experience of new drugs to be taken into account.

### Optical Crystallography

ERNEST E. WAHLSTROM. *Chapman & Hall*, 37 Essex Street, London, W.C.2. *John Wiley & Sons, Inc.*, New York, U.S.A. 9½ x 6 in. Pp. 356. 68s.

AS in previous editions Professor Wiley in this third edition addresses himself to the student who is becoming interested in the theory and practice of optical crystallography. The book functions as an introduction to the subject, or as a review of basic theory. The text has been rewritten, a new chapter has been added on crystal rotation methods, and 100 new illustrations have been added.

### Drawings of British Plants, XIII

STELLA ROSS-CRAIG, F.L.S. *G. Bell & Sons, Ltd.*, York House, Portugal Street, London, W.C.2. 9½ x 6 in. Plates 30.

CONTINUING her superb series of line drawings of botanical species, Miss Ross-Craig has prepared for the present volume, which is uniform in make-up with its predecessors, drawings of the leaves, inflorescences, fruits, etc., of more umbelliferous plants (mountain meadow-saxifrage, fennel, samphire, seven water-dropworts, common fools parsley, meadow sulphurwort, baldmoney, lovage, selinum, three angelicas, master-wort, sea hog's-fennel, milk parsley, parsnip, two hogweeds, great hart-wort, carrot, and three hedge parsleys); an arislate (common ivy); and two cornates (dogwood and dwarf cornel).

### Gas Chromatography Abstracts 1958

G. E. H. KNAPMAN (editor) and C. G. SCOTT (assistant editor). *Butterworth Scientific Publications*, 4 Bell Yard, London, W.C.2. 10 x 6½ in. Pp. vii + 262. 42s. (postage 1s. 8d.).

THE volume brings together almost 1,500 abstracts of published work on the subject of gas chromatography up to the end of 1958. Sponsored and prepared by a committee of the Gas Chromatography Discussion Group (associated with the Hydrocarbon Research Group of the Institute of Petroleum), the publication is intended to be followed by a similar new publication each year. A feature of the volume is a comprehensive subject index.

### Oxford Regional Economic Atlas—Middle East and North Africa

*Clarendon Press: Oxford University Press*, Amen House, Warwick Square, London, E.C.4. 10½ x 7½ in. Pp. 135. 42s.

PREPARED jointly by the Economic Intelligence Unit and the cartographic department of the Clarendon Press, Oxford, the atlas is the second in a series enlarging upon the information contained in the *Oxford Economic Atlas of the World*. General reference maps of the more developed parts of the region take up twelve pages and topic maps of the whole region forty-seven pages. Supplementary notes and statistics and a gazetteer complete the volume.



## GUIDE TO NEW MEDICAMENTS

Information about proprietary products supplied principally on prescription. Reprints on perforated gummed paper for affixing to index cards are obtainable from the Editor. Notes on the products are given on p. 165.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, August 6, 1960.

### MARPLAN

MANUFACTURER: Roche Products, Ltd., 15 Manchester Square, London, W.1.

DESCRIPTION: Tablets each containing 10 mgm. of 3-benzylhydrazinocarbonyl-5-methylisoxazole.

INDICATIONS: Depressive states and angina pectoris.

DOSAGE: Three tablets (30 mgm.) once daily until optimal effect obtained; dose then reduced to one or two tablets (10-20 mgm.) daily.

HOW SUPPLIED: In containers of fifty and 250.

FIRST ISSUED: March 1960.

SUPPLY RESTRICTIONS: S.4B.

REFERENCES: *J. Pharmacol. Exper. Therap.*, 1947, **90**, 83. *Ibid*, 1946, **88**, 10. *Ibid*, 1948, **93**, 423. *J. Indiana M.A.*, 1955, **48**, 1099. *Ibid*, 1952, **45**, 786. *Ann. Allergy*, 1953, **11**, 754. *Proc. Soc. exper. Biol. and Med.*, 1952, **80**, 458. *Ann. Otol. Rhin. and Laryng.*, 1948, **57**, 287.

REFERENCES: *Practitioner*, 1960, **184**, 447. *New Eng. J. Med.*, 1956, **254**, 952.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, August 6, 1960

### Pulvules CYCLOSERINE with I.N.H.

MANUFACTURER: Eli Lilly & Co., Ltd., Basingstoke, Hants.

DESCRIPTION: Yellow and pink Pulvules (filled capsules), each capsule containing 250 mgm. of cycloserine Lilly and 150 mgm. of I.N.H. brand isoniazid.

INDICATIONS: Treatment of pulmonary tuberculosis, especially in patients who cannot tolerate or fail to take para-aminosalicylic acid. Should be used with care in patients with epilepsy or a history of mental disease.

DOSAGE: Adult: Average one capsule twice daily. Children: According to age and tolerance.

HOW SUPPLIED: In bottles of twenty, 100 and 500.

FIRST ISSUED: June 1960.

SUPPLY RESTRICTIONS: Therapeutic Substances Act.

REFERENCES: *Dis. chest*, 1958, **33**, 371; *Amer. Rev. Tuberc.*, 1957, **75**, 553.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, August 6, 1960

### ANUSOL HC ointment

MANUFACTURER: William R. Warner & Co., Ltd., Chestnut Avenue, Eastleigh, Hants.

DESCRIPTION: A bland, emollient ointment, similar in formula to Anusol ointment but with the addition of 0.25 per cent. hydrocortisone acetate.

INDICATIONS: All perineal conditions where inflammation or pruritus is a problem.

DOSAGE: Apply two or three times daily as required until inflammation or pruritus disappears. Thereafter treatment may be continued with Anusol ointment (plain).

HOW SUPPLIED: In 10-gm. tube.

FIRST ISSUED: July 4, 1960.

SUPPLY RESTRICTIONS: Therapeutic Substances Act.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, August 6, 1960

### CORTOCAPS

MANUFACTURER: The Crookes Laboratories, Ltd., Gorst Road, London, N.W.10.

DESCRIPTION: Flexible gelatin capsules each weighing 250 mgm. and containing 0.5 per cent. of hydrocortisone acetate and 0.5 per cent. neomycin sulphate in a soft paraffin base.

INDICATIONS: Primarily for eye conditions, but suitable for use in external ear or on skin generally.

DOSAGE: One capsule instilled into each eye three or four times daily.

HOW SUPPLIED: In bottle of twelve.

FIRST ISSUED: June 28, 1960.

SUPPLY RESTRICTIONS: Therapeutic Substances Act.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, August 6, 1960

### ADCORTYL-A spray

MANUFACTURER: E. R. Squibb & Sons, Ltd., Edwards Lane, Speke, Liverpool, 24.

DESCRIPTION: Triamcinolone acetonide presented in a valved aerosol container for topical application.

INDICATIONS: Atopic dermatitis, contact dermatitis, neurodermatitis, eczematous dermatitis, seborrhæic dermatitis, insect bites, lichen simplex chronicus, solar dermatitis (sunburn).

DOSAGE: Spray is held 3-6 in. from skin and the valve depressed, delivering about 0.1 mgm. of triamcinolone acetonide in three seconds and covering  $3\frac{1}{2}$  sq. in., giving a final concentration on the skin of 0.2 per cent.

HOW SUPPLIED: In 50-gm. aluminium aerosol-spray container containing 3.3 mgm. of triamcinolone acetonide, with isopropyl palmitate, ethanol, and inert propellants.

FIRST ISSUED: July 4, 1960.

SUPPLY RESTRICTIONS: Therapeutic Substances Act.

NOTES: The eyes should be protected when the spray is used on the face. The vapour should not be inhaled. The used container should not be incinerated.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, August 6, 1960

### FRAMYGEN eye and ear drops

MANUFACTURER: Genatosan, Ltd., 12 Derby Road, Loughborough, Leics.

DESCRIPTION: Eye and ear drops containing 0.5 per cent. of framycetin sulphate (sterile solution).

INDICATIONS: Simple eye infections, including styes, blepharitis, blepharo-conjunctivitis, infective conjunctivitis and corneal abrasions; otitis externa.

DOSAGE: One to four drops three to four times daily, or as directed by the physician.

HOW SUPPLIED: In 5-mil dropper bottle.

FIRST ISSUED: June 20, 1960.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, August 6, 1960

### FRAMYCORT eye and ear drops

MANUFACTURER: Genatosan, Ltd., 12 Derby Road, Loughborough, Leics.

DESCRIPTION: Eye and ear drops containing 0.5 per cent. of framycetin sulphate and 0.5 per cent. of hydrocortisone acetate, B.P. (sterile suspension).

INDICATIONS: Oedematous or inflammatory reactions of the outer eye and anterior segment when associated with infection. Blepharitis, conjunctivitis (acute and chronic), anterior uveitis (acute and sub-acute), keratitis, phlyctenular keratoconjunctivitis, rosacea keratitis, episcleritis, marginal corneal ulceration and vernal catarrh. Otitis externa where both infection and skin reaction are present.

DOSAGE: One to four drops three to four times daily, or as directed by the physician.

HOW SUPPLIED: In 5-mil dropper bottle.

FIRST ISSUED: June 20, 1960.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, August 6, 1960

### METASTAB tablets

MANUFACTURER: Boots Pure Drug Co., Ltd., Station Street, Nottingham.

DESCRIPTION: Tablets each containing 4 mgm. of methylprednisolone.

INDICATIONS: Conditions requiring oral corticosteroid therapy.

DOSAGE: In general, 12 to 40 mgm. daily initially, reduced to 4 to 12 mgm. daily for maintenance and adjusted according to individual response.

HOW SUPPLIED: In containers of thirty and 100.

FIRST ISSUED: July 15, 1960.

REFERENCES: Bayliss, R. I. S., *Proc. roy. Soc. med.*, 1959, **52**, 929; Brown, E. B., and Leideman, T., *Amer. Pract.*, 1959, **10**, 813; Grater, W. C., *Metabolism*, 1958, **7**, 481; Neustadt, D. H., *J. Amer. med. Ass.*, 1959, **170**, 1253.



THE CHEMIST AND DRUGGIST Guide to New Medicaments, August 6, 1960

**AMBRAMYCIN**

MANUFACTURER: Aspro-Nicholas, Ltd., 225 Bath Road, Slough, Bucks.

DESCRIPTION: Capsules each containing 250 mgm., and chocolate-flavoured oral suspension each 5 mls of which contains 125 mgm. of tetracycline hydrochloride.

INDICATIONS: Respiratory tract infections; certain forms of meningitis; urinary tract, obstetrical and surgical infections in which the organism is sensitive. Venereal diseases and the long term treatment of chronic bronchitis.

DOSAGE: One capsule (250 mgm.) every six hours. Dosage of the oral suspension is according to age.

HOW SUPPLIED: In bottle of sixteen, sixty and 250 capsules and bottle of 60 mls of oral suspension.

FIRST ISSUED: June 1960.

SUPPLY RESTRICTIONS: Therapeutic Substances Act.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, August 6, 1960

**ASMAVAL**

MANUFACTURERS: Distillers Co. (Biochemicals), Ltd., Broadway House, The Broadway, London, S.W.19.

DESCRIPTION: Tablets each containing 12.5 mgm. (gr. 1/5) of Distaval brand thalidomide and 20 mgm. (gr. 1/3) of ephedrine hydrochloride.

INDICATIONS: For routine prophylaxis against asthma and bronchospasm associated with chronic respiratory disease. For the relief of: Hay fever congestion; allergic rhinitis; and bronchitis.

DOSAGE: One or two tablets three times daily. Dose appropriately reduced for children.

HOW SUPPLIED: In tube of twenty-five and bottle of 100.

FIRST ISSUED: July 1960.

SUPPLY RESTRICTIONS: P.I, S.4B.

NOTES: Tablet markings: White; unscored; diameter 6.35 mm. stamped DE within circle.

**NOTES ON NEW MEDICAMENTS**

**ANAFLEX.**—*Chemistry:* A high-molecular-weight polymer of oxymethyleneurea, a substance with bacteriostatic and fungistatic properties against a wide range of organisms, including many resistant to other inhibitors. The mode of action is obscure, but the drug does appear to produce its results by a proteolytic effect. Other preparations used in superficial infections (excluding antibiotics) are represented by Brulidine (dibromopropamide), Badional (p-aminobenzene-sulphonylthiourea) and Steroxin (dichloro-hydroxyquinoline).

**DIOTRIN:** *Constituents:* L-thyroxine sodium and L-triiodothyronine sodium. Thyroxine, the active principle of the thyroid gland, was originally isolated in 1915. Modern methods of synthesis enable the L-isomer to be prepared in pure form, free from the much less active dextro-form. In the body, L-thyroxine appears to be converted into L-triiodothyronine (liothyronine) and the final action of thyroid on cellular metabolism is considered to be due to that substance. Liothyronine thus has a more rapid but less prolonged action than thyroxine. As the thyroid gland secretes both substances, the use of a mixture of the two has a physiological basis. The sodium salts evoke a greater and more consistent response than the bases. L-thyroxine sodium is also available as Eltroxin; liothyronine as Cynomel and Tertroxin.

**MARPLAN.**—*Chemistry:* 3-Benzylhydrazinocarboxyl-5-methyl isoxazole, or isocarboxazid. Like iproniazid, the substance inhibits the enzyme monoamine oxidase, but the action is more powerful and selective. It is mainly effective against the enzyme in brain tissue, and the side-effects associated with a general suppressive action in other tissues, such as the liver, are markedly reduced. Other monoamine oxidase inhibitors used in depressive states include  $\beta$ -phenyl-isopropylhydrazine (Cadovil), nialamide (Niamid) and phenelzine (Nardil).

**RIKOSPRAY BENZOCAINE** — *Constituents:*

Benzocaine and cetyl pyridinium chloride. Benzocaine is a sparingly soluble local anesthetic of low toxicity, widely used for topical application. Cetyl pyridinium chloride is a surface-active compound with bactericidal properties. The aerosol packing permits easy application of the product to mucous surfaces. Nestosyl-aerosol also contains benzocaine together with butyl aminobenzoate, resorcin and hexachlorophene.

**RIKOSPRAY SILICONE.**—*Constituents:* Aluminium dihydroxy allantoinate, cetyl pyridinium chloride, and terpineol in a silicone vehicle. In common with a number of aluminium compounds, the dihydroxy allantoinate has astringent properties. Those are combined with the action of allantoin in stimulating cell proliferation, and the formation of healthy tissues. Cetyl pyridinium has bactericidal properties, and terpineol is a constituent of solution of chloroxylenol. Silicone compounds have water-repellent and protective properties. Other silicone-containing skin protectives are represented by Siopcl, Barosil, Penotrane-Silicone and Silicone-Vasogen.

**STELADEX.** — *Constituents:* Dexamphetamine and trifluoperazine. The use of a tranquillising drug with an appetite-depressant reduces some of the stress factors often associated with obesity, produces a more equable mood, and increases the patient's co-operation. Other combined preparations are exemplified by Drinamyl (dexamphetamine and amylobarbitone) and Desbutal (methyl-amphetamine and pentobarbitone).

**SULPHAMAGNA.**—*Constituents:* Streptomycin sulphate, phthalyl sulphathiazole, sulphadiazine and attapulgite. Streptomycin is not absorbed orally, is excreted largely unchanged, and is therefore effective against susceptible organisms in the intestines. Similar considerations apply to phthalyl sulphathiazole, which is one of the most active of the poorly absorbed sulphonamides. Sulphadiazine is a soluble com-

THE CHEMIST AND DRUGGIST Guide to New Medicaments, August 6, 1960

**SERPASIL-ESIDREX K**

MANUFACTURER: CIBA Laboratories, Ltd., Horsham, Sussex.

DESCRIPTION: Coated tablets each containing 0.15 mgm. of Serpasil (reserpine), 10 mgm. of Esidrex (hydrochlorothiazide) and, within an enteric coating, 600 mgm. of potassium chloride.

INDICATIONS: In mild or moderate essential hypertension with or without heart failure, particularly hypertension and oedema associated with pregnancy (it has both sedative and diuretic effects). For long term therapy, or in patients with liver or renal impairment, to avoid risk of potassium depletion.

DOSAGE: Usually three tablets in two doses, two after breakfast and one after lunch.

HOW SUPPLIED: In bottles of twenty-five, 100 and 500.

FIRST ISSUED: July 4, 1960.

SUPPLY RESTRICTIONS: P.1, S.4B.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, August 6, 1960

**TENSIVAL**

MANUFACTURER: Distillers Co. (Biochemicals), Ltd., Broadway, London, S.W.19.

DESCRIPTION: Tablets each containing 12.5 mgm. of Distaval brand thalidomide and 12.5 mgm. of Direma brand hydrochlorothiazide.

INDICATIONS: Premenstrual tension (suitable for monthly routine use).

DOSAGE: One tablet twice daily (the second to be taken no later than mid-afternoon) immediately first "tension symptoms" are noticed (usually from four to seven days before flow begins). Administration ceases so soon as the menstrual flow begins.

HOW SUPPLIED: In tube of twenty-five and bottle of 100.

FIRST ISSUED: July 18, 1960.

SUPPLY RESTRICTIONS: P.I, S.4B.

pound, but has proved valuable in infantile diarrhoea and vomiting, and combined sulphonamide therapy may have advantages. Attapulgite (the name is derived from the place of origin) is a mineral resembling kaolin in its general properties, but with much greater adsorptive powers that have been increased still further by an activation process.

Other preparations formulated on similar lines include Guanimycin (streptomycin, sulphaguanidine and kaolin); Cremomycin (neomycin, succinyl sulphathiazole and kaolin) and Ivax (neomycin, sulphaguanidine and kaolin). Enterofram contains framycetin and kaolin; Kaomycin contains neomycin and kaolin.

**AMERICAN LISTED DRUGS**

**DEXBROMPHENIRAMINE MALEATE** (Disomer).—*Chemically:* d-2-[p-Bromo-a-(2-dimethyl-aminoethyl) benzyl] pyridine maleate, the dextro-rotatory isomer of racemic brompheniramine maleate. Administered orally. Usual dose for adults: 2 mgm. four times daily; for children: 1 mgm. four times a day; for infants: 0.5 mgm. four times daily. Available as syrup (0.4 mgm. per ml); as 2-mgm. tablets; and as repeat-action tablets (4-mgm. and 6-mgm.). *Data supplied by White Laboratories, Inc.*

**KANAMYCIN SULPHATE** (Kantrex). — The sulphate of an antibiotic substance derived from *Streptomyces kanamyceticus*. In antibacterial activity the compound is almost identical with neomycin. Administration is normally by the intramuscular route. Intravenous administration is confined to gravely ill patients. For inhalation, 250 mgm. in 1 ml is diluted with 3 mls of normal saline injection solution and used in a nebuliser. Oral administration is effective only against intestinal bacteria and should not be resorted to for systemic infections. Product available as 500-mgm. capsules; and as injection solutions of 500 mgm. in 2 mls and 1 gm. in 3 mls. *Data supplied by Bristol Laboratories, Inc.*

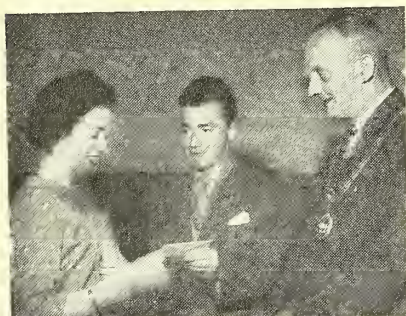


# A RISING STANDARD OF EDUCATION

## President's remarks at Northern Ireland graduation ceremony

"THE standard of education required in all professional examinations is rising and, I believe, in none more rapidly than in pharmacy," said MR. J. CALDWELL (president, Pharmaceutical Society of Northern Ireland) at the presentation in Belfast on July 25 of certificates and prizes to students who were successful in the Society's recent Part II examination.

Mr. Caldwell said less attention was now paid to the making of pills, suppositories and plasters. Instead the student had to spend time on physiology and pharmacology. The examination in the law relating to the sale of poisons and dangerous drugs years ago had been incorporated in the theory pharmacy paper. Now it was dealt with as a separate subject. After congratulating the students on their qualifying as pharmacists, the president said that the parents present would realise the amount of hard work required from students in order to qualify and he was sure they must feel proud of their sons and daughters.



Mr. H. Hamilton (centre) presents the prize for pharmacutics to Miss Mary E. O'Brien, who also received the Pharmaceutical Society of Northern Ireland's gold medal and the J. A. M. Shaw prize for pharmacognosy from Mr. J. Caldwell, who is seen at right.

But already the syllabuses under which the newly qualified had studied and on which they were examined were being referred to as the "old" syllabuses. Students would be qualifying next year who had undergone a two-year course for the Part II examination. "I would like to impress on you that you must not regard your pharmaceutical education as completed," he said. "You have received a training that will enable you to learn through your own efforts." That could be done by reading the various journals and periodicals, of which there was no scarcity, attending lectures and discussions and reading the literature that came into every pharmacy. "If you have knowledge you will the more quickly gain the confidence of the public and at the same time derive greater pleasure from your work," the president told the new pharmacists.

### A Yardstick for Conduct

Referring to the Statement upon Matters of Professional Conduct, which accompanied the certificates with which they were issued, Mr. Cald-



Mr. J. Caldwell (president, Pharmaceutical Society of Northern Ireland) with some of the successful students at the graduation ceremony on July 25.

well said it had been drawn up for the guidance of members in their everyday work in the pharmacy. They might wonder why some of the matters dealt with were included at all. Some were so obvious as to need no comment but were, nevertheless, important. "If I were to give you a yardstick by which to determine your conduct, I think it would be this: Do nothing that, if done by a fellow pharmacist, would be likely, justly, to cause offence to you," Mr. Caldwell declared. "You will now be accepting posts of responsibility, some in Northern Ireland, others in Britain and overseas. There are other than monetary rewards to be had from a career in pharmacy and I sincerely hope that you will all experience the reward that accrues from serving the public to the best of your ability and also that derived from enjoying the respect and admiration of the pharmacists with whom you come in contact. I wish each and every one of you success in the future and may your association with the Pharmaceutical Society be a happy one."

Mr. Caldwell presented the Society's gold medal and the J. A. M. Shaw prize for pharmacognosy to Miss Mary E. O'Brien, who also received the prize for pharmacutics from Mr. H. Hamilton (chairman, Associates' Section of the Ulster Chemists' Association). Mr. Caldwell also handed over the prize for pharmacutics presented by Mr. R. J. Davidson to Mr. R. S. Harbison and the Associates' prize for physics to Mr. James Rodgers.

After the ceremony the students and their parents and friends were entertained to tea in the Council room at the Society's headquarters.

### N.H.S. COSTS

IN NORTHERN IRELAND during December 1959 600,484 prescriptions (404,069 forms) were dispensed at a total cost of £248,603. Average cost per prescription was 99-36d. In January 637,495 prescriptions (430,778 forms) were dispensed at a total cost of £262,014. Average cost per prescription was 98-64d.



GIFT FOR MISSION SCHEME: Mr. D. Moore, M.P.S.N.I. (master of the Guild of St. Albert and St. Gemma, Belfast) hands over to Mother Mary Bernhians Roche, M.P.S.I., a cheque representing contributions towards St. Albert's Bursar. The photograph was taken at the International Missionary Training Hospital, Drogheda (see C. & D., July 30, p. 127).



[illegible]



hand cream ..	31	6	15	9	5	3	
<b>Chesties</b> (1215 Teasdale) 5 lb	2	1lb	7½lb	1	0	qtr	
<b>Chloromycetin</b> (938 PD)							
capsules 0.025 gm .. 500	546	Sea	..	620	0	TS	
<b>Choice</b> (1388 Durazone)							
garden spray aerosol .. 6 oz	29	9	..	2	11		
<b>Christmas in July</b> (150 Bourjois)							
skin perfume ..	48	8	24	4	6	6	
perfume purse flacon ..	54	4	27	2	9	6	
presentation ..	111	6	55	9	19	6	
"Spray Mist" ..	100	0	50	0	17	6	
cologne stick ..	31	6	15	9	5	6	
toilet soap .. 3	39	6	9	10½	5	9	
bath cubes .. 6	26	0	13	0	4	6	
talcum ..	31	6	15	9	5	6	
Cologne ..	60	0	30	0	10	6	
<b>Clearasil</b> (1277 Vick)	30	10	7	8½	4	6	
<b>Clinic</b> (509 Gibbs)							
medicated shampoo sachets	4	5	1	1	7		
bottle	16	11	4	1½	2	3	
	30	1	7	4	4	0	
<b>Clorevan</b> (436 Evans)							
tablets 50 mg .. 100	17	4ea	4	4½ea	30	4	
<b>Dexamethasone</b> (759 L&B)							
tablets 0.5 mg .. 30	22	0ea	..	..	TS		
100	64	0ea	..	..	TS		
500	308	0ea	..	..	TS		
<b>Gello-Cal-D</b> (324 Crookes)							
elixir .. 4 oz	44	0	..	..	5	6	
<b>Collosol</b> (324 Crookes)							
argentine with ephedrine 1oz	20	0	5	0	2	11	
½ oz	26	0	6	6	3	9½	
calamine cream 16 oz	186	0	46	6	24	6½	
lotion .. 4 oz	18	0	4	6	2	4½	
calcium ampoules 1 mil dp 6	40	0	..	..	..	..	
2 mils dp 6	68	0	..	..	..	..	
dp 15 mils	48	0	..	..	..	..	
dp 30 mils	80	0	..	..	..	..	
<b>Delete</b> lodine 0.2% ampoules 10 mils							
<b>Delete</b> 0.8% ampoules 10 mils							
<b>Comba-Curtler</b> (888 Newey)	10	3	2	6½	1	6	
<b>Cortocaps</b> (324 Crookes)							
capsules .. 12	36	0	..	..	4	6 TS	
250	380	0	..	..	47	6 TS	
<b>Coty</b> (301 Coty)							
slim pack refill 097R ..	28	0	13	8	5	0	
slim pack refill 099R ..	32	0	15	7	5	6	
<b>Delete</b> hand treatment cream 2 oz	28	0	13	8	4	9	
hand treatment cream 2ST	29	0	14	2	5	0	
<b>Delete</b> instant cleanser .. 4 oz	46	0	22	5	6	0	
instant cleanser .. 343	50	0	24	5	6	6	
<b>Delete</b> perfumed hand lotion 4 oz	42	0	20	6	7	3	
perfumed hand lotion 068	43	6	21	3	7	6	
perfumed dusting powder							
060	79	6	38	9	13	6	
<b>Crescent</b> (347 Dalmas)							
corn rings thin .. 12	13	8	..	..	1	7	
thick .. 12	16	0	..	..	1	10½	
bunion rings thin .. 6	13	8	..	..	1	7	
thick .. 6	16	0	..	..	1	10½	
<b>Crookes</b> (324 Crookes)							
lactic acid and procaine							
ampoules 5 mils dp 6	68	0	..	..	6	6 pl	
10 mils dp 6	88	0	..	..	11	0 pl	
stilboestrol and lactic acid							
pessaries 1 mgm .. 6	60	0	..	..	7	6 pls4B	
5 mgm .. 6	72	0	..	..	9	0 pls4B	
hexoestrol implants B vet C							
25	20	0	..	..	2	6 pls4B	
100	58	0	..	..	7	3 pls4B	
1000	540	0	..	..	67	6 pls4B	
inj pituitary (post lobe)							
B vet C .. 15 mils	33	9	..	..	3	9 pls7	
30 mils	49	6	..	..	5	6 pls7	
inj stilboestrol dipropionate							
B vet C .. 15 mils	33	0	..	..	3	8 pls4B	
30 mils	54	0	..	..	6	0 pls4B	
<b>Delete</b> zinc cream .. 1 oz							
<b>Delete</b> 16 oz							
all transfusion solutions							
<b>Cussons</b> (388 Cussons)							
wild lavender skln							
perfume 5747	26	2	12	9	4	6	
soap 2158	9	6	2	3½	1	3	
sparkling wild lavender							
bath cubes .. 5521	3	1	1	6	6		
<b>Cycloserine</b> with INH (413 Lilly)							
Pulvules .. 40	61	8ea	..	92	6 TS		
100	146	8ea	..	220	0 TS		
500	716	8ea	..	1075	0 TS		
<b>Dainty</b> (905 Nufoam)							
synthetic sponge ..	..	..	..	..	..	..	
<b>Dalmas</b> (347 Dalmas) first aid dressings							
wallets .. 12	7	0	..	..	10		
waterproof ..	8	6	..	..	1	0	
elastic finger dressing	21	6	..	..	2	6	
elastic adhesive first aid	3	6	..	..	5		
dressing assorted gross 9ea	..	..	..	..	9	6	
1½ x ¾ in gross 5	0ea	..	..	..	7	0	
2½ x ¾ in gross 7	6ea	..	..	..	10	6	
3 x ¾ in gross 9	1ea	..	..	..	12	9	
1½ x 2 in gross 15	0ea	..	..	..	21	0	
2 x 3 in gross 24	0ea	..	..	..	33	8	
2½ x 3½ in gross 32	0ea	..	..	..	45	0	
3½ x 4½ in gross 58	0ea	..	..	..	81	3	
patchettes ¾ in gross 7	0ea	..	..	..	9	10	
elastic orthopaedic							
strapping .. 2 in x 3 yd	40	8	..	..	4	9	
2½ in x 3 yd	49	9	..	..	5	9	
3 in x 3 yd	58	8	..	..	6	10	
4 in x 3 yd	76	9	..	..	9	0	
vaccination dressings N.H.S.	4	0	..	..	6		
elastic N.H.S. child	3	10	..	..	5½		
adult	6	6	..	..	9		
waterproof child	8	6	..	..	1	0	
adult	8	6	..	..	1	0	
boil dressings No. 3 ..	6	0	..	0	1	1½	
elastic wound dressings							
small	5	0	..	..	7		
medium	7	0	..	..	10		
large	9	0	..	..	1	1	
ex large	13	9	..	..	1	8	
salicylic acid corn plasters							
20% N.H.S.	3	2	..	1	0	7	
poppy-lastic corn straps	6	0	..	2	0	1 1½	
umbilical pads ..	13	0	..	..	1	6	
eye shades rigid cloth	4	9	..	..	7		
elastic cloth	5	3	..	..	7½		
<b>Dalzo</b> (347 Dalmas)							
zinc oxide plaster ½ in x 1 yd	4	3	..	..	6		
1 in x 1 yd	5	3	..	..	7½		
½ in x 3½ yd	8	6	..	..	1	0	
1 in x 3½ yd	13	6	..	..	1	7	
½ in x 5 yd	11	6	..	..	1	4	
½ in x 5 yd	12	6	..	..	1	5½	
½ in x 5 yd	16	8	..	..	1	11½	
1 in x 5 yd	19	0	..	..	2	3	
1½ in x 5 yd	27	3	..	..	3	2	
2 in x 5 yd	33	3	..	..	3	10	
2½ in x 5 yd	41	9	..	..	4	10	
3 in x 5 yd	47	0	..	..	5	6	
4 in x 5 yd	61	6	..	..	7	2	
½ in x 10 yd	18	0	..	..	2	1	
1 in x 10 yd	20	8	..	..	2	4½	
1½ in x 10 yd	28	6	..	..	3	4	
2 in x 10 yd	32	0	..	..	3	9	
2½ in x 10 yd	47	6	..	..	5	6	
3 in x 10 yd	59	6	..	..	7	0	
4 in x 10 yd	73	0	..	..	8	6	
5 in x 10 yd	83	4	..	..	9	9	
6 in x 10 yd	104	0	..	..	12	2	
zinc oxide adhesive felt							
4½ x 3 in thin	11	6	..	..	1	4	
4 x 3 in medium N.H.S.	11	6	..	..	1	4	
3 x 3 in thick	11	6	..	..	1	4	
6 x 6 in thin	23	0	..	..	2	6	
6 x 4½ in medium	23	0	..	..	2	6	
4½ x 4 in thick	23	0	..	..	2	6	
<b>Dalzo</b> (347 Dalmas)							
elastic zinc oxide plaster							
½ in x 1 yd	7	0	..	..	10		
1 in x 1 yd	11	3	..	..	1	4	
2 in x 1 yd	17	6	..	..	2	1	
2½ in x 1 yd	20	0	..	..	2	4	
3 in x 1 yd	17	6	..	..	2	1	
1 in x 3 yd	24	6	..	..	2	10	
1½ in x 3 yd	31	0	..	..	3	7	
2 in x 3 yd	40	8	..	..	4	9	
2½ in x 3 yd	49	9	..	..	5	9	
3 in x 3 yd	58	8	..	..	6	10	
elastic adhesive bandage							
2 in x 3 yd	40	8	..	..	4	9	
2½ in x 3 yd	49	9	..	..	5	9	
3 in x 3 yd	58	8	..	..	6	10	
4 in x 3 yd	76	9	..	..	9	0	
<b>Dapsodine</b> (358 D&S) .. 12	231	0	..	..	27	6pls4B	
<b>Daylight II</b> (1027 Rank)							
projector ..	..	..	..	..	695	0	
fibre carrying case ..	..	..	..	..	102	6	
<b>Day's</b> (358 D&S)							
black drink .. 2½ oz	36	9	10	6	5	3	
Drlfield oils .. 10 oz	64	9	18	6	9	3	
20 oz	129	6	37	0	16	6	
etheric ammonia .. 8 oz	56	0	16	0	6	0	
pessaries, cattle .. 12	189	0	..	..	22	6	
sheep .. 12	168	0	..	..	20	0	
white oils .. 10 oz	64	9	18	6	9	3	
20 oz	129	6	37	0	16	6	
<b>Debovin</b> (324 Crookes) .. 8 oz	495	0	..	..	55	0	
<b>Decadron</b> (837 MSD)							
tablets 0.5 mgm .. 30	22	6ea	..	..	33	9 TS	
100	66	0ea	..	..	99	0 TS	
500	314	6ea	..	..	471	9 TS	
0.75 mgm .. 30	33	8ea	..	..	50	6 TS	
100	99	0ea	..	..	148	6 TS	
500	417	8ea	..	..	707	6 TS	
<b>Decalex</b> (814 M&B) x ray							
developer-replenisher 40 oz	200	0	..	..	25	0	
1 gal	720	0	..	..	90	0	
<b>Decaserpyl</b> (1087 Roussel)							
tablets 5 mgm .. 500	190	0ea	..	..	265	0	
10 mgm .. 20	192	0	..	..	24	0	
100	76	8ea	..	..	115	0	
500	350	0ea	..	..	525	0	
<b>Declair</b> (76 Atkinson) lotion	27	2	13	2	4	6	
<b>Dentiline</b> (430 Eucryl) ..	20	0	5	0	2	9	
refill ..	17	4	4	4	2	5	
<b>Dermibab</b> (182 BGP) ..	7	11ea	..	6ea	15	6 pls4B	
<b>Dexacortisyl</b> (1087 Roussel)							
tablets 0.5 mgm .. 20	180	0	..	..	22	6 TS	
100	792	0	..	..	99	0 TS	
500	3774	0	..	..	471		

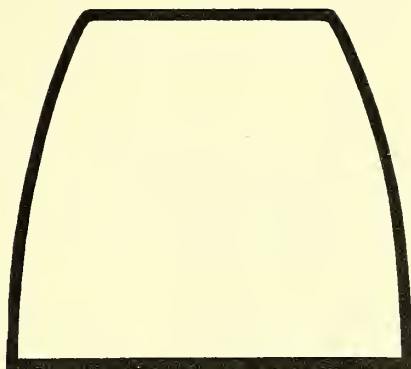


<b>Diamox</b> (746 Lederle) tablets 250 mgm .. 25	12	Sea	..	19	0			1 oz	360	0	180	0	60	0
	100	42	4ea	..	63	6		2 oz	630	0	315	0	105	0
vial .. 500 mgm .. 1000	391	6ea	..	587	3									
<b>Diotroxin</b> (518 Glaxo) tablets .. dp 100	36	0	..	4	0	pls4B								
dp 1000	24	0ea	..	32	0	pls4B								
<b>Diphtheria pertussis</b> prophylactic (518 Glaxo) ampoules ½ mil .. 3	36	0	..	4	0									
vial 5 mls ..	76	6	..	8	6									
<b>Distivir</b> (378 DCBL) B12 injection 50 mcgm/ml 5 mil vial														
<b>Deloxene</b> (413 Lilly) Pulvules 82 mgm .. 20	40	0	10	0	5	10	DD							
100	10	Sea	2	Sea	18	8	DD							
500	48	0ea	12	0ea	84	0	DD							
65 mgm .. 20	60	0	15	0	8	9	DD							
100	20	0ea	5	0ea	35	0	DD							
500	90	0ea	22	6ea	157	6	DD							
compound .. 20	48	0	12	0	7	0	DD							
100	13	4ea	3	4ea	23	4	DD							
500	60	0ea	15	0ea	105	0	DD							
<b>Dorothy Gray</b> (385 DG) sun-tan lotion ..	57	0	29	0	9	6								
<b>R Double Soft</b> (1389 VCP) toilet rolls ..	10	0	..	..	1	3								
<b>Dromoran</b> (1074 Roche) tablets 1-5 mgm .. 20	36	0	..	..	4	6	pls1DD							
<b>E 39</b> (452 FBA) soluble ampoules 10 mgm 5	746	0	..	..	93	3								
dry-substance capsules														
5 mgm .. 30	488	0	..	..	66	0								
<b>Ecomytrin</b> (1310 WW) cream 5 gm	72	0	..	..			TS							
15 gm	16	6ea	..	..			TS							
<b>Elastoplast</b> (1155 S&N) first aid dressings														
1½ × 1 in 100 11200	72	0	..	..	8	6								
2½ × 1 in 100 11300	93	0	..	..	10	9								
1½ × 1½ in 100 11500	108	0	..	..	12	6								
1½ × 2½ in 100 11600	153	0	..	..	17	9								
2 × 3 in 100 11700	225	0	..	..	26	3								
waterproof														
1½ × 1 in 100 12200	72	0	..	..	8	6								
2½ × 1 in 100 12300	93	0	..	..	10	9								
1½ × 1½ in 100 12500	108	0	..	..	12	6								
1½ × 2½ in 100 12600	153	0	..	..	17	9								
2 × 3 in 100 12700	225	0	..	..	26	3								
airstrip														
1½ × 1 in 100 14200	108	0	..	..	12	6								
2½ × 1 in 100 14300	138	0	..	..	16	0								
1½ × 1½ in 100 14500	159	0	..	..	18	6								
1½ × 2½ in 100 14600	231	0	..	..	27	0								
2 × 3 in 100 14700	339	0	..	..	39	6								
<b>Elastoweb</b> (1155 S&N) stretched 3 × 6/7 yd .. 3603	89	6	..	..	10	6								
<b>Elix. creosote-codeine co.</b> (211 Butler) .. 16 oz	78	0	..	..	9	9								
80 oz	330	0	..	..	41	3								
<b>Elix. polyphosph. co.</b> (211 Butler) .. 16 oz	36	0	..	..	4	8								
<b>Energen</b> (421 Energen) rolls 60	49	6	..	..	5	0								
crispbread .. 6 oz	..	..	..	..	1	8								
<b>Enseals</b> (413 Lilly) Potassium thiocyanate 65 mgm (gr 1)														
250 mgm (gr 3)														
<b>Ephpect-Forte</b> (266 Clarnell) 4 oz	60	0	15	0	5	7								
<b>Erasmic</b> (509 Gibbs) shaving cream tube ..	18	11	4	7½	2	6								
<b>Euvernil</b> (695 TK) tablets 20	52	0	..	..			s4B							
100	17	4ea	..	..			s4B							
<b>Eyemakers a la Carte</b> (1052 Revlon) eyebrow pencil propelling	72	0	36	0	12	8								
refills (3) ..	27	0	13	6	4	6								
eyebrow pencil short ..	36	0	18	0	6	0								
eyebrow brush ..	31	0	15	6	4	6								
eye lash tipping ..	129	0	64	6	21	6								
eye liner pencil ..	45	0	22	6	9	6								
frosted ..	57	0	28	6	7	6								
eye liner pencil sharpener	45	0	22	6	9	6								
eye liner liquid ..	63	0	31	6	10	6								
frosted ..	87	0	43	6	19	6								
brush ..	65	0	32	6	9	6								
eye shadow stick ..	51	0	25	6	8	6								
eye shadow pan ..	87	0	43	6	14	6								
gold, silver, gold bronze	105	0	52	3	17	6								
platinum, platinum/gold	147	0	73	3	24	6								
eye shadow brush ..	72	0	36	0	10	6								
mascara cake ..	45	0	22	6	7	6								
refills ..	30	0	15	0	5	0								
roll on ..	81	0	40	6	13	6								
refills ..	52	6	26	3	8	9								
frosted roll on	93	0	46	6	15	6								
remover pads ..	63	0	31	6	10	6								
<b>Feedrite</b> (454 Feedrite) "Extra" feeder ..	63	0	..	..	7	11								
<b>Fennings</b> (1100 JS) cooling powders children's 5	45	0	11	3	6									
gross														
little healers .. 12	60	0	15	0	8									
gross														
tablets adults .. 30	..	..	..	..										
<b>Ferrodic</b> (34 A&H) tablets .. 100	54	0	..	..	6	0								
<b>Fiesta</b> (981 Picot) perfume miniature	33	0	16	6	5	6								
½ oz	105	0	52	6	17	6								
½ oz	195	0	97	6	32	6								
<b>Flagyl</b> (814 M&B) tablets 200 mgm .. 21	160	0	40	0	23	4								
<b>Flexoplast</b> (1213 ET) boil dressings .. 3	7	9	1	11½	1	1								
first aid dressings ..	15	0	..	..	10½									
<b>Floid</b> (900 Norton) after shave with tan	33	0	16	6	5	6								
52	6	26	3	8	9									
51	0	25	6	8	6									
87	0	43	6	14	6									
electric pre-shave ..	45	0	22	6	7	6								
72	0	36	0	12	0									
<b>Floidam</b> (900 Norton) lotion .. 3 oz	39	0	19	6	6	6								
5½ oz	66	0	33	0	11	0								
<b>Floidam Tan</b> (900 Norton) 3 oz	57	0	28	6	9	6								
5½ oz	105	0	52	6	17	6								
<b>Folvite</b> (746 Lederle) elixir 4 oz	9	4ea	..	..	14	0								
solution 15 mgm/ml														
vial 10 mls ..	8	Sea	..	..	13	0								
tablets 5 mgm .. 100	9	2ea	..	..	13	9								
1000	85	0ea	..	..	127	6								
<b>Folvron</b> (746 Lederle) capsules .. 100	13	0ea	..	..	19	6								
1000	110	6ea	..	..	165	9								
elixir .. 16 oz	12	10ea	..	..	19	3								
tablets .. 100	13	0ea	..	..	19	6								
1000	110	6ea	..	..	165	9								
<b>Fomodox</b> (208 BW) pessaries (vet) .. 6	135	0	..	..	15	0	VPO							
30	540	0	..	..	60	0	VPO							
<b>Framycort</b> (502 Genatosan) sterile eye and ear drops	5 mls	58	0	..	7	3	TS							
<b>Framygen</b> (502 Genatosan) sterile eye and ear drops	5 mls	45	0	..	5	7	TS							
<b>Freezeheat</b> (191 BVF) Vax 16 oz X16	57	0	7	0	6	11								
16 oz V11, V12	..	..	..	..	..	..								
<b>Fresh Magic</b> (876 MP) spray	13	6	3	4½	2	0								
<b>Fynnon</b> (104 BP) salt ..	22	9	5	8½	2	11								
<b>Gala</b> (876 MP) "Bronze Touch" lotion ..	51	0	25	6	8	6								
<b>Gerard</b> (505 Gerard) spring flowers gift set 1701	25	9	11	3	4	2								
1702	25	3	12	4½	4	3								
● <b>Gestatin</b> (917 Organon) tablets 5 mgm .. 30	18	6ea	..	..	27	9								
100	52	0ea	..	..	78	0								
<b>Gey-e-tabs</b> (584 H) 16 days ..	96	7	..	..	11	6								
32 days ..	180	7	..	..	21	8								
<b>Gevral</b> (746 Lederle) capsules .. 30	11	4ea	2	10ea	19	10								
<b>Gin Fizz</b> (Lubin (1 Abbey)) soap box of 3 ..	102	0	25	6	13	8								
talc ..	62	0	31	0	10	3								
<b>Glean</b> (504 GP&B) lens tissues ..	7	6	..	..	6									
2 doz	38	9	..	..	4	9								
<b>Glow-Pot</b> (1126 Servis) ..	30	3	..	..	..	..								
<b>Gluc-Juice</b> (430 Eucryl) Gluterate (1352 Wyeth) tablets .. 250	128</													



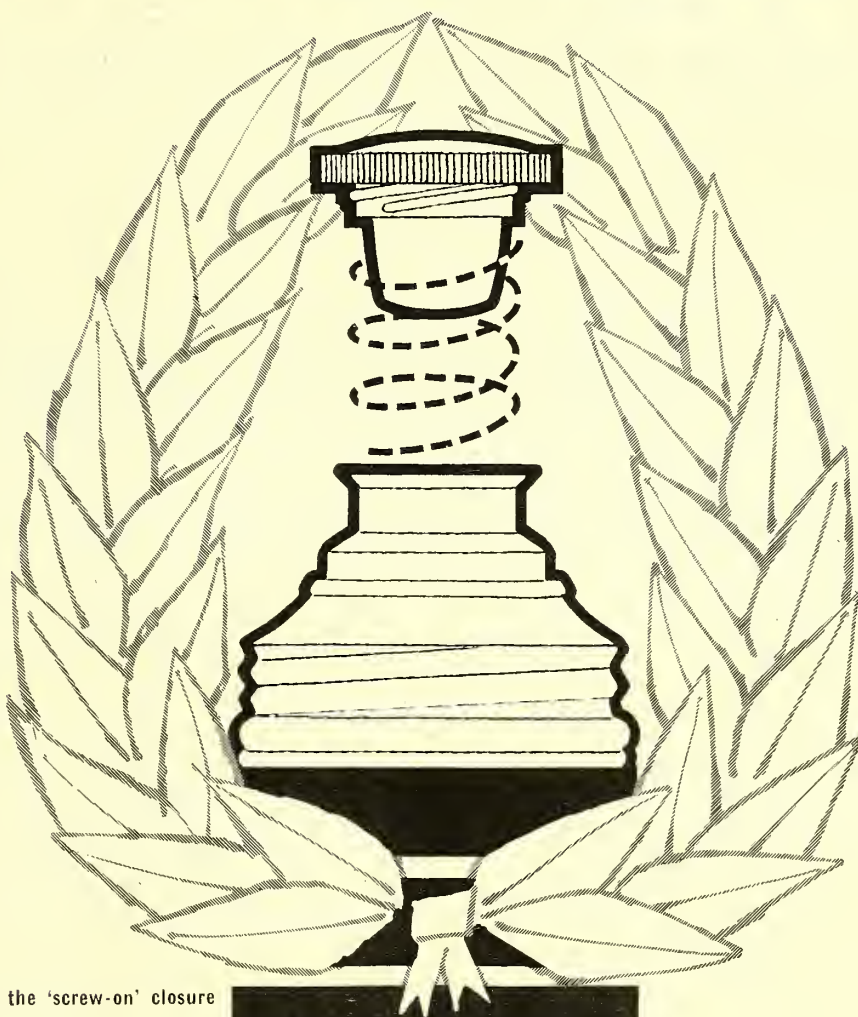






REGD

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**1<sup>ST</sup>** for hygiene — closure designed for easy cleaning

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**'Wellcome'** BRAND

## **Improved Lamb Dysentery Vaccine**

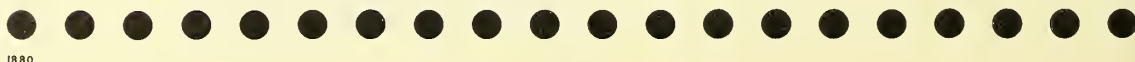
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Hill and marginal sheep farmers rely on the colostral transference of immunity to protect lambs against lamb dysentery. This is best achieved by the use of 'Wellcome' Improved Lamb Dysentery Vaccine. Gimmers, and ewes not previously inoculated, must be given a 2 c.c. dose at tupping time. A second dose is then to be given 10 to 14 days before lambing. The antibodies passed in the first milk will also protect the lamb against pulpy kidney disease for the first 8 to 12 weeks of life.

*Bottles of 100 c.c. (50 doses) • A fine product from the Wellcome Research Laboratories*



**BURROUGHS WELLCOME & CO. (The Wellcome Foundation Ltd.) LONDON**





**Delete** Marienbad (1303 Wander) tablets

<b>Marsilid</b> (1074 Roche)									
tablets 25 mgm	50	68	0	..	..	8	6	TS	
	250	280	0	..	..	35	0	TS	
50 mgm	100	220	0	..	..	27	6	TS	
	1000	1760	0	..	..	220	0	TS	

**Mason Pearson** (807 MPB) hairbrushes

Ladies	extra small	494	0	123	0	72	0		
	extra large	549	0	137	0	80	0		
Mens military	extra small	494	0	123	0	72	0		
	extra large	549	0	137	0	80	0		

**Maw's** (810 Maw)

baby teat three hole	..	5	9	..	..	..	..	..	..
feeding bottles									
Pyrex 4 oz	303-11	19	1	..	..	2	4		
8 oz	302-00	19	9	..	..	2	5		
hot water bottles									
Twin-heat	550-31	42	0	..	..	8	0		
Superheat	550-36	60	0	..	..	7	6		
Uniheat	550-40	79	0	..	..	9	0		
Comet	550-22	55	0	..	..	6	0		
Hey Diddle Diddle	550-35	54	0	..	..	6	9		
Cosicot	335-01	34	0	..	..	4	3		
shaving brushes									
Club	530-16	62	3	15	7	..	..	..	..
	530-17	71	6	17	10½	..	..	..	..
	530-18	83	4	20	9	..	..	..	..
Badger	530-09	13	6	3	4½	..	..	..	..
	530-10	17	6	4	4½	..	..	..	..

**Max Factor** (813 MF)

roll-on deodorant	..	34	8	17	0	5	9		
<b>Melleril</b> (1098 Sandoz)									
tablets 10 mgm	50	40	0	..	..	5	0		
	250	180	0	..	..	22	6		
25 mgm	50	66	0	..	..	8	3		
	250	300	0	..	..	37	6		
50 mgm	50	126	0	..	..	15	9		
	250	570	0	..	..	71	3		
100 mgm	50	240	0	..	..	30	0		
	250	1080	0	..	..	135	0		

**Melolin** (1155 S&N) dressings

10 x 20 cm	50	11	6ea	..	..	16	3		
20 x 30 cm	50	30	9ea	..	..	43	3		
10 x 10 cm	100	12	0ea	..	..	17	0		

**Mephine** (1352 Wyeth)

injection ampoule	1 mil	29	0	..	..	3	3		
multi-dose vial	10 mils	89	0	..	..	9	11		
tablets	20	27	0	..	..	3	0		
	250	146	0	..	..	16	3		
<b>MER-29</b> (838 MN) tablets	30	360	0	90	0	52	6		
	100	1140	0	285	0	166	3		

**Metastab** (147 Boots)

tablets	30	40	0ea	..	..	53	4	TS	
	100	128	0ea	..	..	170	8	TS	

**Millicorten** (262 CIBA)

tablets 0.5 mgm	25	18	8ea	..	..	28	0	TS	
	100	66	0ea	..	..	99	0	TS	
1 mgm	500	314	6ea	..	..	471	9	TS	
	25	37	0ea	..	..	55	6	TS	
	100	131	4ea	..	..	197	0	TS	
	500	628	0ea	..	..	942	0	TS	

**Mist. bismuth co.** (211 Butler)

16 oz	108	0	..	..	..	13	6		
80 oz	480	0	..	..	..	60	0		
<b>Monophen</b> (645 Ilford)	500 cc	70	0	..	..	8	9		

**Moore's** (859 Moore)

baby cream	1½ oz	16	6	..	..	2	0		
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**Morny** (862 Morny)

bath salt tablets 12	451	..	..	..	..	6	0		
crystals	470	..	..	..	..	8	6		
perfume medium flask	134	..	..	..	..	12	6		
perfume "Luxury Mist"	144	..	..	..	..	15	0		
perfume large flask	136	..	..	..	..	..	..		
skin perfume	190	..	..	..	..	..	..		
skin perfume	191	..	..	..	..	5	6		
talcum plastic	605	..	..	..	..	7	6		
refill	606	..	..	..	..	3	6		

**Morphine sulphate** (147 Boots)

ampoules gr ½/ml	6	42	0	..	..	5	3	s1DD	
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**Mum** (1113 S&B)

deodorant stick	18	8	9	4	3	0			
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**Mysteclin V** (1176 Squibb)

capsules, 250 mgm	500	882	4ea	..	..	1323	6	TS	
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**Napisan** (1398 GC)

tablets	20	0	..	..	..	2	6		
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**Narphen** (1154 S&N) ampoules

2 mgm/ml	10	15	0ea	..	..	22	6	DD	
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**Nothyl** (787 Macfarlan)

100 gm	4	0ea	..	..	..	..	..	..	..
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**Nethapryn** (838 MN)

linctus	4 oz	60	0	15	0	8	9		
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**Night Tan** (1397 Ellanby)

12	6ea	6	3ea	25	0	..	..	..	..
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**Nilergex** (649 ICI) injection

ampoules 1 mil	5	48	0	..	..	6	0	pls7	
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**Nivea** (1155 S&N)

creme	365	15	9	7	10½	2	7		
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**R Nivemycin** (147 Boots)

ointment	15 gm	27	6	..	..	3	5	TS	
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**No-Slip** (608 Hinders) hose saver

rubber	pair	11	0	7	1	6			
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**Nurse Harvey's** (578 Harvey)

baby powder	26	0	6	6	3	6			
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**mixure**

17	0	4	3	2	3				
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**Odo-Ro-No** (493 Gambles)

perfumed stick	18	0	9	0	3	0			
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**Oestradin** (901 Norton)

tablets	..	..	..	..	..	..	..	..	..
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**Oil of the Night** (358 D&S)

(home)	2½ oz	26	3	7	6	3	9		
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**(veterinary)**

10 oz	35	0	10	0	5	0			
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**Omnipid** (656 IFA)

foot cream	1½ oz	26	0	6	6	3	9		
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**Optrose** (690 Keldon)

rose-hip syrup	22	6	..	..	..	2	6		
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**Orablix** (115 Bengue) tablets

6	48	0	..	..	..	5	4		
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**Oradexon** (917 Organon)

tablets 0.5 mgm	30	22	6ea	..	..	33	9	TS	
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**Orstrax** (920 Orstrax)

tonic tablets	47	6	..	..	..	5	6		
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**Delete** Overones (120 BGP)

Overones (182 BGP)	7	10½ea	6½ea	15	6	pls4	B		
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**Pagan** (981 Picot) perfume

miniature	33	0	16	6	5	6			
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**Palmolive** (280 CP) rapid shave

1 oz	105	0	52	6	17	6			
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**Pamergan** (814 M&B) solutions

1 oz	195	0	97	6	32	6			
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**Parentrovite** (1285 Vitamins) ampoules, pairs intra-

muscular high potency	3	96	0	..	..	12	0		
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**Pasinah-302** (1303 Wander)

180	41	0ea	..	..	..	61	6	TS	
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**Payot, Dr** (870 MV)

deodorant	856.71	6	5½ea	2	11½ea	12	4		
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**Penduril** (1352 Wyeth)

tablets	20	106	0	..	..	11	..	TS	
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**sulphas**

100	474	0	..	..	..	52	8	TS	
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**Pentothal** (2 Abbott)

1.0 gm with 50 mils water 1	..	..	..	..	..	..	..	..	..
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**Personality** (963 PBP) turtle oil

complexion milk	14/17	10	3	5	0	1	8		
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**Phosidine** (120 BGP)

1.0 gm with 40 mils water 1	4	2ea	..	..	..	6	3	pls4A	
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**Phillips** (976 PS&T)

tooth-paste	13	4	3	4	1	10			
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**Phrosidine** (182 BGP) tablets

31	10ea	1	8ea	50	0	pls4B			
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**Phrosidine forte** (182 BGP)

tablets	39	9ea	2	3ea	60	0	pls4B		
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**Pleniron** (695 TK) tablets

100	4	2ea	1	1ea	..	..	..	..	..
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**Plesmet** (276 C&C)

tablets	1000	240	0	..	..	30	0		
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**Ponds** (256 CPL)

lipsticks medium swivel	20	6	10	3	3	3			
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**Positan** (1076 Rolls)

129	4	64	6	21	6				
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**Potters** (992 P&C) pastilles

Gees linctus BPC	11	6	..	..	..	1	6	pl	
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**menthol and eucalyptol**

BPC 1949	11	6	..	..	..	1	6		
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**glycerin and blackcurrant**

11	6	..	..	..	..	1	6		
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**antiseptic throat**

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<b>Resochin (452 FBA)</b>	tablets	100	176	0	..	22	0		
<b>Resotren (452 FBA)</b>	tablets	300	1472	0	36S	0	214	8	pl
<b>Reudel (655 ICC) bath salt</b>		15	2	3	10	2	0		
<b>Revicaps (746 Lederle)</b>	100	16	10ea	4	3ea	29	6	pls4B	
<b>Revitone (1074 Roche)</b>	syrup	6 oz	24	0	6	0	3	6	pl
	dp 80 oz	216	0	..	..	27	0	pl	
<b>Rezesta-B (612 Hobson) royal jelly plus multi-vitamin capsules</b>	30	34	0ea	8	6ea	57	6		
<b>Rikospray (1061 Riker)</b>	benzocaine	12	0ea	..	..	18	0		
	silicone	15	4ea	3	10ea	23	0		
<b>Ro-A-Vit (1074 Roche)</b>	drops 150,000 in mil 7.5 mils	68	0	..	..	8	6		
	tablets 50,000 in	30	84	0	..	10	6		
	200	480	0	..	..	60	0		
<b>Roberts Windsor (1070 Windsor)</b>	soap luxury size	1106	11	7	2	9	1	6	
<b>Roccal (97 Bayer)</b>	antiseptic	6 oz	17	4	..	2	2		
	16 oz	38	0	..	..	4	9		
	80 oz	135	0	..	..	15	9		
<i>Delete</i>	tincture	6 oz	..	..	..	..	..		
	80 oz	..	..	..	..	..	..		
<b>Romilar (1074 Roche)</b>	syrup, 15 mgm/5 mils	100 mils	48	0	..	6	0	pl	
		500 mils	220	0	..	27	6	pl	
	tablets 15 mgm	20	36	0	..	4	6	pls1	
		100	144	0	..	18	0	pls1	
		200	264	0	..	33	0	pls1	
	expectorans, syrup	100 mils	48	0	..	6	0	pl	
		500 mils	220	0	..	27	6	pl	
● <b>Rozalex (1088 Rozalex)</b>	lanolin skin cream	..	..	..	..	3	0		
<b>Salazopyrin (1106 S)</b>	tablets 0.5 gm	100	340	0	..	42	6	pls4B	
		500	1272	0	..	159	0	pls4B	
<b>Schick (1115 SI) electric shavers</b>	3 speed triple voltage	141	9ea	34	6ea	230	0		
	190/240 voltage	126	4ea	30	9ea	235	0		
<b>ScotTowels (153 BSC)</b>	paper towels	15	7	..	..	1	9		
	holders	36	7	4	6	4	6		
<i>Delete</i>	<b>Sedaltine (70 Aspro)</b>	tablets	100	250	..	..	..		
	<b>Serpasil-Esirex (262 CIBA)</b>	tablets	25	64	0	..	8	0	pls4B
		100	224	0	..	28	0	pls4B	
		500	88	8ea	..	133	2	pls4B	
	<b>Serpasil-Esirex K (262 CIBA)</b>	tablets	25	66	0	..	8	3	pls4B
		100	228	0	..	28	6	pls4B	
		500	90	0ea	..	135	0	pls4B	
<i>Delete</i>	<b>She-Tan (451 F&amp;J)</b>	Softex (339 CG)	105	0	52	6	17	6	
		sanitary towels	D108	..	..	..	..		
			D107	..	..	..	..		
<i>Delete</i>	<b>Somnased (394 Duncan)</b>	size 2	100	500	..	..	..		
	<b>Soframycin (1087 Roussel)</b>	oral tablets 250 mgm	20	37	6ea	..	56	3	
	<b>Somnifaine (1074 Roche)</b>	ampoules, 2 ml	6	53	4	..	6	8	pls4A
	<b>Spa (1167 Spa) br</b>	hair, ladies' nyl	..	24	0	6	0	3	6
		featherweight	..	..	..	..	..	..	..
	<b>Sparine (1352 Wyeth)</b>	injection (vet) vial	10 mils	64	9	..	7	3	pls4B
			30 mils	168	9	..	18	9	pls4B
		tablets 25 mgm	50	66	7	..	7	5	pls4B
			250	308	0	..	34	3	pls4B
		50 mgm	50	127	8	..	14	3	pls4B
			250	580	11	..	64	7	pls4B
		100 mgm	50	240	6	..	26	9	pls4B
			250	1137	9	..	126	5	pls4B
<i>Delete</i>		injection 2 mils	10	122	0	..	13	7	pls4B
	<b>S.P.H.P. (120 BGP)</b>	..	11	3ea	10ea	23	6		
	<b>S.P.H.P. (182 BGP)</b>	..	..	..	..	..	..		
	<b>Sportsman (645 Ilford)</b>	colour filters	154	0	38	0	22	5	
	<b>Sprayclean (1388 Durazone)</b>	spot remover aerosol	6 oz	..	..	..	4	0	
	<b>Spray Magic (S76 MP)</b>	..	15	0	7	6	2	6	
	<b>Spray Net (24 Akos)</b>	aerosol hair lacquer	6 oz	48	0	24	0	8	0
			16 oz	102	0	51	0	18	0
	<b>Spray Set (532 Goya)</b>	..	51	0	25	6	8	6	
●	<b>Stelabid (1153 SKF)</b>	Spansule	30	144	0	36	0	21	0
			250	95	0ea	23	9ea	166	3
●	<b>Steladex (1153 SKF)</b>	Spansule	30	160	0	..	20	0	pls4B
			250	105	6ea	..	158	3	pls4B
	<b>Stratton (735 Laughton)</b>	compact Thimette	..	..	..	..	25	6	
	<b>Strepsils (147 Boots)</b>	..	24	16	8	..	2	3	
	<b>Stuart (1191 SM) glove soap</b>	..	20	0	..	..	2	6	
	<b>Suede (981 Picot)</b>	perfume miniature	37	6	18	9	6	3	
		1/2 oz	120	0	60	0	20	0	
		1/2 oz	225	0	112	6	37	6	
		1 oz	420	0	210	0	70	0	
		2 oz	756	0	378	0	126	0	
	<b>Sulphadiazine (746 Lederle)</b>	tablets BP 0.5 gm	100	10	0ea	..	15	0	pls4B
			500	48	4ea	..	72	6	pls4B
			1000	96	8ea	..	145	0	pls4B
	<b>Sulphamagna (1352 Wyeth)</b>	4 oz	100	0	25	0	13	3	pls4B
	<b>Sunsilk (509 Gibbs)</b>	tonic shampoo sachet	6	3 1/2	1	6 1/2	10		
		bottle	18	7 1/2	4	6 1/2	2	6	
	<b>Supavite (493 Gambles)</b>	capsules 21 single	48	6	..	..	5	0	
		42	78	4	..	..	9	0	
Δ	<b>Sure Shield (549 Guest)</b>	laxatives fruit flavoured	8	4	2	1	1	3	
			15	0	3	9	2	3	
	<b>Surfiadil (413 Lilly)</b>	cream	28 gm	36	0	..	6		
	<b>Tabac (963 PBP)</b>	deodorant spray	14/48	51	8	25	2	8	6
		cologne	14/49	48	4	23	7	7	11
		shave cream lather	14/50	38	11	9	6	5	6
		brushless	14/51	38	11	9	6	5	6
		pre-electric shave	..	..	..	..	..	..	..
		lotion	14/52	47	0	22	11	7	9
	<b>Tace (838 MN) tablets</b>	..	30	164	0	41	0	23	11
			100	504	0	126	0	73	6
	<b>Tan-Glo (312 AC)</b>	suntan creme	30 gm	11	6	5	9	2	6
	<b>Taumastham (1301 WM)</b>	tablets	60	73	0	..	..	pl	
			250	234	0	..	..	pl	
	<b>Taylor's (1213 ET)</b>	zinc oxide plaster	1/2 in x 1 yd	4	3	..	6		
			1 in x 1 yd	5	3	..	7 1/2		
			1 in x 3 1/2 yd	8	6	..	1	0	
			1 in x 3 1/2 yd	13	6	..	1	7	
			1/2 in x 5 yd	12	6	..	1	5 1/2	
			1 in x 5 yd	19	0	..	2	3	
			2 in x 5 yd	33	3	..	3	10	
		waterproof strapping	1 in x 1 yd	6	6	..	9		
			1 in x 5 yd	12	0	..	1	6	
	<b>belladonna plaster BPC white cloth</b>	..	8	9	2	2 1/2	1	2	pl
			5 in x 7 1/2 in	17	6	4 1/2	2	4 1/2	pl
			7 in x 11 in	9	9	2	5 1/2	1	4 1/2
			6 in dia	12	4	3	1	8	pl
			7 in dia	16	0	4	0	2	2 1/2
	<b>red felt</b>	..	5 in x 7 1/2 in	4	2	1	0 1/2	7	
	<b>corn plaster sal acid 20%</b>	..	1 1/2 in x 3 in	11	6	..	1	4	
	<b>joystep white wool felt</b>	..	7	6	..	..	10 1/2		
	<b>waterproof first aid dressings</b>	..	15	0	..	..	1	9	
	<b>T.B.P. (174 BA)</b>	hair and scalp treatment	15	9	3	10	2	1	
			27	0	6	7	3	6 1/2	
	<b>Tensival (378 DCBL) tablets</b>	25	4	0ea	..	6	0	pls4	
		100	14	6ea	..	21	9	pls4	
	<b>Tercin (179 BDH)</b>	tablets	200	66	0	..	8	3	pls4A
			1000	306	0	..	38	3	pls4A
	<b>Teropterin (746 Lederle) solution</b>	10 mgm/ml 10 vial mils	42	2ea	..	63	3		
	<b>Terpacol (195 Brook Parker)</b>	4 oz	40	0	..	..	pl		
		8 oz	70	0	..	..	pl		
		16 oz	126	0	..	..	pl		
		80 oz	50	0ea	..	..	pl		
	<b>Tersavid (1074 Roche)</b>	tablets 50 mgm	..	88	0	22	0	12	10
			250	336	0	84	0	49	0
<i>Delete</i>	<b>Testrones-Dermatab (120 BGP)</b>	..	7	11ea	6ea	15	6		
	<b>Testrones (182 BGP)</b>	..	..	..	..	..	..	..	..
	<b>Tetanus toxoid (518 Glaxo)</b>	ampoules 1/2 ml	3	36	0	..	4	0	
		vial 5 mils	..	76	6	..	8	6	
	<b>Thephorin (1074 Roche)</b>	tablets 25 mgm	1000	864	0	..	108	0	pls7
	<b>Thermalux (1224 TEP) electric blanket "Sleepwell"</b>	54 x 30	86	3ea	20	9ea	135	9	
	<b>Tokalon (1240 Tokalon)</b>	hand cream	8	1	4	0 1/2	1	3	
			13	1	6	6	2	0	
<i>Delete</i>	<b>Tonivitan (830 Medo) capsules</b>	1000	40	48	0	..	5	9	pls4
	<b>Tranquilex (1053 Rexall)</b>	..	120	125	0	..	15	0	pls4
	<b>Triominec (1303 Wander)</b>	syrup	..	2 oz	30	0	3	9	pls7
			..	20 oz	14	2ea	21	3	pls7
		tablets	..	50	101	8	12	9	pls7
			..	250	36	5ea	62	11	pls7
	<b>Trust (671 Jeyes)</b>	toilet roll	12	4	..	..	1	4	
	<b>Tumeson (614 Hoechst) (distributors 621 Horlicks)</b>	5 gm	40	0	9	9	5	10	
		20 gm	128	0	31	2	18	7	
	<b>Turn Tan (1053 Rexall)</b>	..	75	0	37	6	12	6	
	<b>Tussint (195 Brook Parker)</b>	4 oz	25	0	..	..	pl		
		8 oz	39	0	..	..	pl		
		16 oz	66	0	..	..	pl		
		80 oz	24	0ea	..	..	pl		
	<b>Tylenol (1383 McNeil)</b>	elixir	4 oz	56	0	..	7	0	
	<b>Tyordac (346 Dales)</b>	pastilles	100	10	6ea	..	..	..	
			250	24	6ea	..	..	..	
	<b>Val-Pak (343 DH) tube</b>	..	12	10	6	5	2	0	
	<b>Valpeda (343 DH)</b>	..	21	0	..	..	2	6	
	<b>Valtorin (969 Pfizer)</b>	tablets	..	6	16	0	..	2	0
			12	30	0	..	3	9	
		dp100	180	0	..	..	22	6	



	dp300	480	0	..	..	60	0
<b>Varidase</b> (746 Lederle)	buccal tablets	..	12	21	8ea	..	32 6 TS
<b>Vasogen</b> (720 Lactogol)	silicone	50 gm	46	3	11	7	6 6
<b>Veet</b> (343 DH)	..	..	16	4	8	2	6 6
	..	..	22	10	11	5	3 6
<b>Veractil</b> (814 M&B)	tablets 5 mgm	..	50	36	0	..	4 6 p1s4B
	..	..	500	300	0	..	37 6 p1s4B
	25 mgm	..	50	110	0	..	13 9 p1s4B
	..	..	500	980	0	..	122 6 p1s4B
	100 mgm	..	50	380	0	..	47 6 p1s4B
	..	..	500	3340	0	..	430 0 p1s4B
	ampoules 2.5% 1 mil	..	10	100	0	..	12 6 p1s4B
<b>Versitol</b> (108 Bell)	..	..	4 oz	54	0	..	6 0
	..	..	16 oz	13	6ea	..	18 0
<b>Vetidrex</b> (262 CIBA)	tablets 25	..	8	8ea	..	..	13 0 VSO
	..	..	100	32	8ea	..	49 0 VSO
<b>Virules</b> (120 BGP)	..	..	10	10ea	8ea	21	0
<b>Virules</b> (182 BGP)	..	..	34	0	..	4	3
<b>Virvina</b> (837 MSD)	..	..	4 oz	..	..	..	..
<b>Visa</b> (Piguet) (1201 Supervite)	perfume (atomiser)	..	1/2 oz	27	6	13	9 56 6
<b>Vita-E</b> (127 Bioglan)	gels 800 iu	..	100	260	0ea	..	390 0
<b>Vital</b> (76 Atkinson) hair	conditioner	..	22	8	11	1	3 9
<b>Vitapointe</b> (484 Fulford)	..	..	12	0	6	0	2 0
<b>Viules</b> (147 Boots)	Hydrocortistab	..	..	..	..	..	..
	25 mgm/1 mil	..	6	8	3ea	..	11 0 TS
	50 mgm/2 mils	..	6	16	6ea	..	22 0 TS
	heparin,	..	..	..	..	..	..
	25000 IU/mil	single	120	0	..	..	15 0
<b>Warricks</b> (1311 Warrick) linseed, liquorice and chloro-	dyne lozenges	..	2 oz	7	6	..	11
<b>Wellcome</b> (208 BW)	aminophylline BP intramuscular	..	..	..	..	..	..
	0.5 gm in 2 cc	..	5	33	9	..	3 9
	pack of ..	..	6	..	..	..	..
<b>Whooping cough vaccine</b> (518 Glaxo)	ampoules 1/2 mil	..	3	36	0	..	4 0
	vial 5 mils	..	..	76	6	..	8 6
<b>Wellform</b> (1154 S&N)	elixir	..	4 oz	42	0	..	5 3
	..	..	dp 20 oz	180	0	..	..
<b>Woodwards</b> (1346 Woodward)	gripe water	..	17	8	4	3	2 3
<b>Wright's</b> (1351 WLU) vaporizer	..	..	73	0	..	..	8 2
<b>Wyovin</b> (1352 Wyeth)	tablets	..	50	54	0	..	6 0
	with phenobarbitone	..	50	63	0	..	7 0 p1s4A
<b>Yardley</b> (1355 Yardley)	hair tonic for men	2231	36	0	18	0	6 0
	eau de cologne for men	2029	97	0	48	6	16 2
	after shave lotion	2059	58	0	29	0	9 8
	Florentine lipstick case	..	45	0	22	6	7 6
	lipstick	..	69	..	..	..	..
<b>Yaxa</b> (261 Christy)	deodorant stick	..	19	6	9	9	3 3
	mini-fragrance	..	75	0	37	6	12 6
	roll-on	..	27	0	13	6	4 6
	refills	..	21	0	10	6	3 6

# AMENDMENTS TO KEY TO SUPPLIERS:

(76 Atkinson) = J. & E. ATKINSON, LTD., 24 Old Bond Street, London, W.1. Hyde Park 7353.

(89 Bairant) = BAIRANT, LTD., 186 Campden Hill Road, London, W.8. Park 7781.

(100 Beucafre) = BEAUCAIRE LABORATORIES, Bridson Street, London, S.E.15. New Cross 7144.

(108 Bell) = BELL & SONS LTD., Gascoyne Street, Liverpool, 3. Central 3367.

Delete (120 BCP).

(120 BGP) = B.G.P. COSMETICS, LTD., 37 Chesham Place, London, S.W.1. Belgravia 5679.

(182 BGP) = BRITISH GLANDULAR PRODUCTS, LTD., 37 Chesham Place, London, S.W.1. Belgravia 5641.

(840 C of GB) = CYANAMID OF GREAT BRITAIN LTD., Bush House, Aldwych, London, W.C.2. Temple Bar 5411.

(350 Dana) = DANA SALES LTD., 6 Paddington Street, London, W.1. Welbeck 2549.

(477 AF & B) = ALFRED FRANKS & BARTLETT CO., LTD., 226 Grays Inn Road, London, W.C.1. Terminus 9865.

Delete (491 Gevaert).

(491 GB) = GALE BAISS & CO., LTD., 274 Ilderton Street, London, S.E.15. New Cross 0094.

(581 Haynor) = HAYNOR, LTD., 167 Greyhound Road, London, W.6. Fulham 4343.

(614 Hoechst) = HOECHST PHARMACEUTICALS, LTD., Slough, Bucks. Slough 22322.

(759 L&B) = LEWIS & BURROWS LTD., 146 Holborn, London, E.C.1. Chancery 9664.

(900 Norton) = M & R NORTON, LTD., 9 Park Hill, London, S.W.4. Macaulay 2355.

(905 Nufoam) = NUFOAM PLASTICS LTD., 113 Clarendon Road, London, W.11. Bayswater 4123.

Delete (1004 Price).

(1004 Price) = A. S. PRICE & CO., LTD., Park Street, Blackheath, Birmingham. Blackheath 2251.

(1063 Rimmel) = RIMMEL LTD., 146 New Bond Street, London, W.1. Grosvenor 2062.

(1115 SI) = SCHICK INCORPORATED (UK) LTD., 86a Brook Street, London, W.1. Grosvenor 5559.

(1121 Searle) = G. D. SEARLE & CO., LTD., Lane End Road, High Wycombe, Bucks. High Wycombe 1770.

(1169 GS & S) = GEORGE SPENCER & SON LTD., Kynance Place, Gloucester Road, S.W.7. Knightsbridge 8741.

(1191 SM) = STUART MADELEY LTD., Marsh Street, Walsall. Walsall 3116.

Delete (1215 Teasale).

(1215 Teasdale) = TEASDALE & CO., LTD., P.O. Box 15, South Vale Works, Carlisle. Carlisle 26262.

(1320 WP) = WEST PHARMACEUTICAL CO., LTD., 9 Palmeira Mansions, Church Road, Hove, 3, Sussex. Hove 772215.

(1373 Hanovia) = ENGELHARD HANOVIA, LTD., Slough, Bucks. Burnham 500.

Delete (1383 McNeil).

(1383 McNeil) = MCNEIL LABORATORIES, LTD., High Wycombe, Bucks. Naphill 2264.

(1393 BRL) = BEECHAM RESEARCH LABORATORIES LTD., Great West Road, Brentford, Middlesex. Isleworth 4111.

(1397 Ellanby) = ELLANBY LABORATORIES, LTD., 146 Holborn, London, E.C.1. Chancery 9664.

(1398 GC) = GASCOIGNE-CROWTHER LTD., Lactesan Laboratories, Caversham, Reading.

## TRADE MARKS

### APPLICATIONS ADVERTISED BEFORE REGISTRATION

From the "Trade Marks Journal," July 20

medical preparations for human use (5)

QUEEZE, 802,032, by British Glandular Products, Ltd., London, S.W.1.

pharmaceutical and veterinary products and preparations (5)

ABEGAN, 803,715, TETRICORT, 803,718, by A.B. Bofors, Bofors, Sweden.

anesthetics (5)

CECAIN, 803,719, by A. B. Bofors, Bofors, Sweden.

photographic and cinematographic cameras projectors; lens holders, filter holders and hoods, and holders for light filters, all for use with photographic and cinematographic cameras; and flashguns for photographic purposes

GUARDSMAN, 799,712, by Julius Joseph Silber, London, W.C.1.

electric blankets (10)

WINTERMASTER, B798,348, by Geoffrey William Stead, Glasgow, C.1.

electric kitchen utensils and electric hairing appliances (not machines) (11)

VER READY, 778,624, by Ever Ready Co. Great Britain, Ltd., London, N.7.

sponges (not for pharmaceutical purposes) (21)

ILOPRENE, 799,765, by G. H. Heath & Son 1952, Ltd., Burslem, Stoke-on-Trent.

From the "Trade Marks Journal," July 27

preparations for colouring and tinting the (3)

ADOCOLOR, 795,954, by Cadoricin, Bobigny, France.

For bleaching preparations in liquid form for laundry use and being for sale in the Counties of Lancaster, Westmorland, Cumberland and Chester (3)

Device with word WIZARD, B766,706, by Hopwoods Hauliers and Drysalers, Ltd., Blackpool, Lancs.

For cleaning, polishing, scouring and abrasive compositions, paint removing compositions, and degreasing preparations not for use in industrial processes or in the course of manufacture (3)

ECONOCLENE, 796,779, by Bendix Aviation Corporation, New York, U.S.A.

For lotions, emollients, cleansing creams and foundation creams, all being non-medicated toilet preparations (3)

SILKET, 798,316, by Thames Industries, Ltd., London, E.C.4.

For preparations and substances for laundry use; and cleaning, scouring and polishing preparations (3)

SKYL, 798,553, by Industrial Soaps, Ltd., London, E.1.

For non-medicated toilet preparations (3)

CARADIUM, 800,777, by Nearsgrant, Ltd., Southampton, Hants.

For non-medicated toilet preparations for the skin, cosmetic preparations and lotions (3)

PILLOWS, 801,009, by Washburn Laboratories, Inc., St. Paul, Ramsey, Minneapolis, U.S.A.

For all goods (3)

LIGHT FANTASTIC, 801,772, by Richard Hudnut, Morris Plains, New Jersey, U.S.A.

For preparations and substances for laundry use;

and cleaning, polishing, scouring and abrasive preparations (3)

SNOWBOWL, 802,388, by Jeyes' Sanitary Compounds Co., Ltd., Barking, Essex.

For preparations for the hair (3)

FRITTON, 803,245, by Kleinol-Produktion, G.m.b.H., Hamburg 36, Germany.

For pharmaceutical preparations and substances (5)

Device with word ROUSSEL, 775,114, by Roussel Laboratories, Ltd., London, N.W.10.

PAN-F, 798,940, by Scott & Turner, Ltd., New-castle-on-Tyne. Device, 797,026, by Abbott Laboratories, North Chicago, Illinois, U.S.A.

For pharmaceutical products for human use (5)

BIOTYCIN, 777,975, by Biorac Laboratories, Ltd., London, E.C.1.

For pharmaceutical preparations and substances, not being disinfectants (5)

PANGO, 788,934, by Cupal, Ltd., Blackburn, Lancs.

For elixirs, being pharmaceutical preparations for human use (5)

ELIXIR BONJEAN, B791,297, by Pharmacy Products (Overseas), Ltd., London, W.1.

For pharmaceutical preparations and substances containing sulphur compounds (5)

THIOCARBIN, 794,983, by Dr. Karl Thomac, G.m.b.H., Biberach-on-the-Riss, Germany.

For sanitary substances, disinfectants, germicides, bactericides, sterilising preparations and deodorants (5)

SNO-BOWL, 795,353, SNOWBOWL, 802,623, by Jeyes' Sanitary Compounds Co., Ltd., Barking Essex.



## TRADE REPORT

The prices given are those obtained by importers or manufacturers for bulk quantities or original packages. Various charges have to be added whereby values are in many instances augmented before wholesale dealers receive the goods into stock. Crude drugs and essential oils vary greatly in quality and higher prices are charged for selected qualities.

LONDON, AUGUST 3: In keeping with conditions in other commodity markets, CRUDE DRUGS for the most part remained quiet during the week in which business was restricted by the holidays.

MENTHOL was unchanged in price on the week but Koba AGAR was at least fourpence per lb. dearer on the spot. AFRICAN GINGER eased 10s. per cwt. in forward position but spot, which remained at 240s. per cwt., showed a premium of 30s. over Jamaican No. 3. SENEGA continued extremely short on the spot, a small parcel however changed hands at 22s. 6d. per lb. during the week; there were still no offers from origin. JAMAICAN HONEY was slightly easier on the spot as was GUM ACACIA at origin. Firmer among AROMATIC SEEDS were Spanish ANISE and Dutch CARAWAY while Iranian CUMIN was lower by 10s. per cwt.

Prices of ESSENTIAL OILS were unaltered on the week with the exception of LEMONGRASS for shipment at 12s. 6d. per lb. (against 13s. 1½d.), c.i.f.

Among PHARMACEUTICAL CHEMICALS quotations for BROMIDES appear to be somewhat firmer.

### Pharmaceutical Chemicals

AMIDOPYRIN. — Minimum rate, 20s. 1d. per lb. with usual differentials for smalls.

AMMONIUM ACETATE. — 1-cwt. lots of B.P.C. 1949, 4s. 5d. per lb.

AMMONIUM BICARBONATE.—B.P. powder, £50 5s. per ton; CARBONATE, £81 10s. for lump and £85 10s. for powder.

AMMONIUM CHLORIDE. — One-cwt. lots B.P. powder, 105s. per cwt.; technical, 42s. 6d.

AMPHETAMINE. — One to 10-kilo lots: BASE, from 140s. to 160s; SULPHATE, 110s. to 130s. and *d*-AMPHETAMINE SULPHATE, 405s. to 420s.

AMYLOBARBITONE. — B.P.C. is 82s. 6d. per kilo for less than 25-kilo lots and SODIUM, B.P.C., 92s. 6d. per kilo.

ANEURINE HYDROCHLORIDE. — 1-kilo, £9 5s.; 10-kilos, £8 17s. 6d. per kilo.

ASCORBIC ACID.—One-kilo, £3 12s.; 10 kilos, £3 10s. per kilo. SODIUM ASCORBATE is offered at the same price.

BARBITONE. — Less than 25-kilo lots, 53s. 6d. per kilo. SODIUM derivative, 56s. 9d. per kilo.

BUTOBARBITONE. — B.P.C., 87s. 6d. per kilo in less than 25-kilo lots.

CALCIFEROL.—B.P., 3s. 3d. per gm. for 1-kilo lots.

CALCIUM CARBONATE.—B.P. light precipitated powder, 1-ton lots, £33 per ton in free bags, ex works.

CALCIUM CHLORIDE. — B.P.C. fused, granulated, 10½d. per lb. in 1-cwt. lots.

CALCIUM GLUCONATE. — Three-cwt. and upwards, 3s. 6d. per lb.; 1-2 cwt., 3s. 7d.

CALCIUM PANTOTHENATE. — £7 10s. per kilo.

CALCIUM SUCCINATE.—10s. 6d. to 12s. per lb., as to quantity. SUCCINIC ACID is from 10s. 6d. to 12s. 3d. per lb.

CHALK.—Prepared powder B.P., £22 per ton for minimum 1-ton ex works.

COCAINE. — 16-oz. lots, HYDROCHLORIDE, 91s. 6d. per oz.; ALKALOID, 101s. per oz. Subject to D.D.A. Regulations.

CYANOCOBALAMIN.—25-gm. lots, £23 per gm., and 1 gm., £24.

DIGOXIN.—100-gm. lots, 78s. per gm.

FOLIC ACID. — B.P. and U.S.P., 1s. per gm. 1-kilo lots; smaller lots, up to 1s. 6d. per gm.

HEXOBARBITONE. — 25-kilo lots or over, 115s. per kilo.

MENAPHTHONE. — B.P., 170s. per kilo; ACETOMENAPHTHONE, B.P., 170s.; WATER-SOLUBLE (menadione sodium bisulphite, U.S.P.), 200s. per kilo.

METHADONE.—Subject to D.D.A. 16s. 3d. per 5 gm. pack.

NICOTINAMIDE. — (Per kilo). One-kilo, 61s.; 10 kilos, 59s.; 50 kilos, 57s.

NICOTINIC ACID. — One-kilo, 39s.; 50-kilos, 36s. per kilo.

NIKETHAMIDE.—Per kilo, 100s.

OPiates.—Home trade prices (per oz.) subject to D.D.A. Regulations:—

	35 oz. and over	Under 35 oz.
	s. d.	s. d.
CODEINE		
PHOSPHATE ..	41 0	42 0
HYDROCHLORIDE ..	47 3	48 3
SULPHATE ..	47 3	48 3
ALKALOID ..	54 0	55 0
MORPHINE		
ACETATE ..	50 0	51 0
HYDROCHLORIDE ..	50 0	51 0
SULPHATE ..	50 0	51 0
TARTRATE ..	60 0	61 0
ALKALOID ..	61 3	62 3
ETHYLMORPHINE		
HYDROCHLORIDE ..	54 0	55 0
ALKALOID ..	63 3	64 3
DIAMORPHINE		
ALKALOID ..	54 9	55 9
HYDROCHLORIDE ..	59 9	60 9

PENICILLIN. — SODIUM, POTASSIUM or PROCAINE, 7½d. per mega unit.

PENTOBARBITONE. — Under 25-kilo lots, 125s. per kilo; SODIUM, 130s.

PETHIDINE HYDROCHLORIDE.—Subject to D.D.A. Regulations, 229s. 2d. per 250 gm.

PHENAZONE.—Imported, 9s. 6d. per lb.

PHENOBARBITONE. — Spot rate 50-kilo lots, 47s. 6d. per kilo; 5-kilos, 50s. 6d.; 500-gm., 54s. 6d. SODIUM SALT unchanged at 55s. 6d. per kilo for 5-kilo lots.

PHENOLPHTHALEIN.—One-cwt. 9s. per lb.

PYRIDOXINE. — One-kilo, £50 10s. per kilo; 10 kilos, £49.

QUINALBARBITONE.—Under 25-kilos, 130s. per kilo.

RIBOFLAVINE. — One kilo, £13 5s.; 10-kilos, £12 17s. 6d. per kilo.

STREPTOMYCIN. — DIHYDRO or BASE, 10½d. per gm.

SULPHACETAMIDE.—One-cwt. lots, 24s. 6d. per lb. SODIUM derivative, 30s.

SULPHAGUANIDINE. — One-cwt. lots, 11s. per lb.

SULPHANILAMIDE. — One-cwt. lots, 6s. per lb.

SULPHAPYRIDINE.—Five-kilo lots, 120s. per kilo.

SULPHATHIAZOLE.—One-cwt. lots, 16s. 9d. per lb.

TARTARIC ACID.—10-cwt. lots, 300s. per cwt.; 5-9 cwt., 302s.; 2-4 cwt., 304s. 1-cwt., 305s.

THIOGLYCOLLIC ACID.—Basic rates per lb. 97-98 per cent., 26-lb. packs, 15s.; 75 per cent., 11s. 6d. AMMONIUM THIOGLYCOLLATE, 40 per cent. pH 9.3 (24-lb. pack) 6s. 8d.; MONOETHANOLAMINE THIOGLYCOLLATE, pH 9.9, 40 per cent., 9s. 10d. A carriage paid and subject to purchase tax.

VITAMIN A.—Synthetic. Supplied in concentrate 1 million international units per gm. as acetate or palmitate the price is 9½d. per million i.u.

VITAMIN D<sub>2</sub>.—In oil, 2 million units per gm. the price is 2d. per million international units. Crystalline: see under calciferol.

VITAMIN E (synthetic or natural).—Tocopheryl acetate, B.P.C., 25 gm. to 100 gm. 11d. per gm.; 100 gm. to 1 kilo, 9d. per gm.; 1 kilo and under 10 kilos, £31 5s. per kilo; 10 kilos, £30 10s. per kilo. Equivalent prices for unesterified are: 1s. an 10d. per gm. and £37 and £35 10s. per kilo.

### Industrial Chemicals, Solvents

ACETALDEHYDE.—The 100 per cent. is £122 per ton.

ACETATES.—Per ton, spot 1-ton lots AMYL (technical), £254, and B.S.S., £256 BUTYL, £169; ETHYL, £141; ISOPROPYL, £136.

ACETIC ANHYDRIDE.—10-ton lots, £126 per ton, delivered U.K. in returnable drums 1-ton, £128.

ACETONE.—One-ton lots spot, £84 per ton in drums.

BENZOLE.—Thiophene-free, 9s. 3½d. per gall. for one 50-gall. barrel; pure 6s. 3½d. per gall.

N-BUTYL ALCOHOL.—1-5-ton lots, £15 per ton and one-ton lots, £163 per ton SECONDARY, £130.

CARBON TETRACHLORIDE. — In 40-gal drums, 1 ton and under 2 tons, £83 15s. 4 tons and upwards, £82 5s.

ISOPROPYL ALCOHOL. — Technical grade (99 per cent.) 5s. 0½d. per gall. for 10,000 gall. lots; anhydrous in drum lots is £10 per ton.

METHYL ETHYL KETONE. — One-ton lot £138 10s. per ton.

NAPHTHALENE. — Home contract price (per ton for 4-ton lots at one time): CRUDE, crystallising point 64-71.9° C £22 5s. to £23; WHIZZED, c.p. 72-77.5° C £27 5s. to £35 15s. according to the crystallising point, ex works; PHTHALIC grade minimum c.p. 77.5° C., £42 10s. e maker's works; CRYSTALS from £62 10 to £65, delivered; BALL AND FLAKE, £71 to £73 10s. delivered.

PHTHALATES. — Prices (per ton) one-ton lots: DIBUTYL, £206; DI-ISOBUTYL, £199 DI-ETHYL, £190 10s.; DI-METHYL, £182.

STEARATES. — Spot prices for minimum 1-ton lots: ALUMINIUM (all grades 253s. 6d. per cwt., CALCIUM (precipitated 243s. 6d.; LEAD (30 per cent.), 223s. 6d. MAGNESIUM (standard), 272s. and (super fine), 302s.; ZINC 226s. to 286s. as to grade.

### LONDON EXCHANGE RATES

#### At the opening on Tuesday

Amsterdam ..	Florins to	10-58½-10-59½
Bombay ..	Shillings to	rupee
		1/5½-1/6½
Brussels ..	Francs to £	80-25-80-35
Copenhagen ..	Kronor to £	19-34½-19-34½
Frankfurt ..	D Marks to £	11-70½-11-71½
Hong Kong ..	Shillings to \$	1/2½-1/3½
Karachi ..	Shillings to	rupee
		1/5½-1/6½
Lisbon ..	Escudos to £	80-25-80-35
Malaya ....	Shillings to \$	2/4-2/4½
Montreal ..	Dollars to £	2-73½-2-73½
*New York ..	Dollars to £	2-78-2-82
Oslo .....	Kronor to £	20-02½-20-02½
Paris .....	Francs to £	13-76½-13-76½
Stockholm ..	Kronor to £	14-49-14-49½
Zurich ....	Francs to £	12-09-12-09½

\*Bank of England official limits. Bank rate: 6 per cent. from June 23.



## Crude Drugs

AGAR.—Kobe No. 1, 15s. 6d. to 15s. 9d. per lb., in bond.

ACONITE.—Spot: Spanish *napellus*, 5s. 6d. per lb.

ALOE.—Cape primes, spot, 190s. per wt. quoted; shipment, 167s. 6d., c.i.f.; extra qualities 170s. to 172s. 6d., c.i.f. Curaçao, 500s., spot.

BALSAMS.—Per lb.: CANADA: Spot, 22s. or paper-filtered, COPAIBA: Para scarce on the spot, small lots at 7s. 9d., duty paid. ERU: Spot, 9s. 9d. in bond. TOLU (genuine as imported): nominal, B.P., 13s. 3d. per lb.

BELLADONNA.—LEAVES (t.a. 0.6 per cent.), 2s. 9d. per lb. Dutch for shipment, s., c.i.f. ROOT cleared on the spot.

BENZOIN.—Sumatra block, spot £22 to 30 as to quality.

BUCHU.—Spot rounds, 3s. 6d. per lb. shipment, 3s. 1d., c.i.f.

CALABAR BEANS.—Spot, 2s. 3d. per lb.

CALAMUS.—Root, 1s. 2d. per lb., c.i.f.

CALUMBA.—Root, 100s. per cwt., spot, 7s. 6d., c.i.f.

CAMPHOR.—B.P. powder, 3s. 7½d. per lb. in bond.

CAPRICUMS.—Chinese 155s., duty paid.

CARDAMOMS.—Aleppy greens, spot, 5s. 6d. per lb.; prompt shipment, 14s., c.i.f. Seeds, shipment, 20s. 6d., c.i.f.

CASCARA.—Spot, 295s., per cwt.; prompt shipment, 275s., c.i.f.; 1960 peel, July–August, 237s. 6d., c.i.f.

CASSIA.—*Fistula*, 115s. per cwt., spot; *gnea*, 380s., duty paid.

CHERRY BARK.—Thin natural, 1s. 9d. per lb.; rossed, 1s. 11d.

CINNAMON QUILLS.—Shipment (c.i.f., per lb.) 4 O's, 5s. 6½d.; 3 O's, 5s. 3½d.; O's, 1s. 11½d.; quillings, 3s. 2½d.; featherings, 7s. 7½d.

DIGITALIS.—*Purpurea* for shipment, 2s. 2½d. to 2s. 7d. per lb., c.i.f., as to spot.

ERGOT.—Scarce. Portuguese, nominally 7s. 6d. per lb., c.i.f.: spot possibly available at 7s. 9d. East European not offering.

FRANGULA.—Spot, 105s. per cwt.

GINGER.—African, spot, 240s. and 25s., c.i.f. Jamaican No. 3, spot, 210s.; shipment, 195s., c.i.f. Cochin, shipment, new crop, 162s. 6d., c.i.f.; spot, 185s. (per wt.).

GUM ACACIA.—Kordofan cleaned sorts, 70s. per cwt., spot; August–September shipment, 160s., c.i.f.

HONEY.—Australian light amber, 95s. to 7s. 6d. per cwt. and medium amber 90s. to 95s.; Argentine, 100s. to 102s. 6d.; Jamaican, 110s. to 115s.; Canadian clover, 45s. to 150s., all ex warehouse.

IPECACUANHA.—Matto Grosso 51s. 6d. per lb., c.i.f. Colombian, 53s., c.i.f. Costa Rican, 71s. 6d., c.i.f. Spot: Matto Grosso, 3s. 9d.; Colombian, 55s. 6d.

JUNIPER BERRIES.—Italian, 90s. per cwt.

KARAYA.—No. 1 gum, spot 325s. per wt. nominal; No. 2, 225s.

KOLA NUTS.—Jamaican for shipment, d. per lb., c.i.f. African, 5½d. spot and d., c.i.f.

LANOLIN.—ANHYDROUS, B.P., is from 70s. to 175s. per cwt. in 1-ton lots and ANHYDROUS, B.P., 150s., free drums, delivered.

LEMON PEEL.—Spot, 2s. 6d. per lb.; shipment, 230s., c.i.f.

LIQUORICE.—Natural root: Persian on the spot, 46s. 6d. per cwt. Block juice: Anatolian from 190s. per cwt.; Italian thick from 310s. to 470s. per cwt.

MACE.—Whole pale blade, 24s. per lb. spot; 22s., f.o.b.

MENTHOL.—Chinese: market virtually bare and shipment not offering. Brazilian,

58s. 6d., in bond; 58s. 6d., c.i.f.; Formosan, 58s. 6d., duty paid (56s. in bond).

NUTMEGS.—West Indian 80's 12s. per lb., spot; sound unassorted, 9s. 6d.; defectives, 7s. 8d.

ORANGE PEEL.—Spot: Sweet ribbon, 2s. per lb.; bitter quarters: West Indian, 1s.; Spanish, 1s. 9d.; bitter ribbon, 1s. 6d.

ORRIS ROOT.—Florentine, 350s. per cwt.

PAPAIN.—Tanganyikan, 11s. 6d. per lb., c.i.f., for grade one, spot, 12s. 6d. Ceylon, No. 1 white, 12s., c.i.f.; brown, 10s., c.i.f.

PEPPER.—White Sarawak spot, 6s. per lb.; shipment, 5s. 8d., c.i.f. Black Sarawak, 4s. 5d. spot and 3s. 9d., c.i.f. Black Malabar, 525s. per cwt. spot; 535s., c.i.f.

PEPPERMINT LEAVES.—Dutch whole, 1s. 11d. to 2s. 7d. per lb., c.i.f.

PODOPHYLLUM.—*Emodi*, 200s. per cwt. spot, and 185s., c.i.f., for shipment, *Peltatum*, spot value, 375s.

PYRETHRUM.—Extract, minimum, 25 per cent. w/w pyrethrins, 75s. per lb. for small lots.

QUASSIA.—Spot, 55s. per cwt., ex wharf.

QUILLAIA.—Short. Afloat, 147s. 6d. per cwt.; shipment, 145s., nominal. Spot cleared.

RHUBARB.—Chinese small round from 5s. 9d. to 6s. 9d. per lb. on the spot.

SAFFRON.—Mancha selecta, 147s. 6d. per lb.

SARSAPARILLA.—Jamaican native red on spot, 2s. 5d. per lb.; shipment, 2s. 1d., c.i.f., nominal.

SEEDS.—(Per cwt.) ANISE.—Spanish, 160s., duty paid. CARAWAY.—Dutch, 180s., duty paid. CELERY.—Indian, 137s. 6d. spot; shipment, 121s., c.i.f. CORIANDER.—Moroccan firm at 65s., duty paid; shipment, 53s., c.i.f. CUMIN.—Indian, 210s.; Iranian, 220s., duty paid; shipment, Indian, 190s., c.i.f. DILL.—Indian, 100s., spot; shipment, 91s., c.i.f. FENNEL.—Chinese, 105s., duty paid; Indian, 125s., spot. FENUGREEK.—Moroccan, 55s., duty paid; shipment, 43s. 6d., c.i.f. MUSTARD.—English, 86s. to 97s. 6d. according to quality.

SENEGA.—Spot nominally 24s. per lb.; shipment not offering.

SENNA.—*Tinnevely* LEAVES, prime No. 1, 1s. 5d. per lb., f.a.q.; No. 3, 9d. PODS: Manufacturing (f.a.q.), 9d. and hand-picked, 1s. 6d. to 1s. 10d. Alexandria pods: Manufacturing, 1s. 6d.; new crop hand-picked, 4s. 6d. to 7s.

SHELLAC.—F.O.T.N., 202s. 6d. per cwt.; No. 1, 225s.; F.O., 235s. to 285s., spot

SQUILL.—White 85s. per cwt., spot.

STRAMONIUM.—Indian LEAVES 60s. per cwt., spot. Dutch 0.5 per cent. alkaloid 93s., c.i.f.

STYRAX.—Spot, 33s. per lb., shipment, 31s., c.i.f.

TONQUIN BEANS.—Para spot, 7s. 9d. per lb. Angostura 11s.

TRAGACANTH.—No. 1 ribbon, £135 to £140 per cwt. No. 2, £125 to £130.

TURMERIC.—Madras finger on spot is 105s. per cwt.; new crop, 100s. to 102s. 6d., c.i.f., quoted.

VALERIAN ROOT.—Spot: Indian (with rootlets), 130s. Belgian, whole (max. 2½ per cent. sand) for prompt shipment, 145s., c.i.f. Dutch old crop cleared; new-crop prices awaited.

VANILLIN.—Rates (per lb.) are now:—5-cwt. lots, 23s. 3d.; 1-cwt., 23s. 6d.; 56-lb., 23s. 9d.; smaller quantities, 24s.

WAXES.—(Per cwt.) BEES.—Dar-es-Salaam, spot, 485s.; shipment, 475s., c.i.f. Abyssinian, spot 410s. in bond; shipment, 370s., c.i.f. Benguela, shipment, 380s., c.i.f. Sudanese, spot, 430s.; shipment, 375s., c.i.f. CANDELLILLA, spot, 470s. CARNAUBA, fatty grey, spot, 567s. 6d.; shipment, 565s., c.i.f.; prime yellow, spot, 780s.; shipment, 760s., c.i.f.

## Essential and Expressed Oils

AMBER.—Rectified on the spot, 1s. 6d. per lb.

BAY.—West Indian, 12s. 6d. per lb. on the spot.

BOIS DE ROSE.—Brazilian, 15s. 3d. per lb. on the spot and 14s. 9d., c.i.f.

CALAMUS.—Spot, 56s. 6d. per lb.

CARAWAY.—Imported oil, 26s. 6d. to 37s. 6d. per lb.

CINNAMON.—From quillings, best English-distilled is 50s. per oz.; other B.P. oils from 165s. per lb. Ceylon leaf, spot, 9s. 6d. per lb.; rectified, 10s. 6d. per lb.; Seychelles, 10s. 6d., spot.

CITRONELLA.—Ceylon, spot, 6s. 9d.; shipment, 6s. 2d. per lb., c.i.f. Formosan, spot, 6s. 3d., in bond; shipment, 6s. 1d., c.i.f.

EUCALYPTUS.—Australian 70 and 75 per cent. eucalyptol on the spot is 5s. 3d. per lb. 80–85 per cent., 5s. 6d. Spanish (70–75), 3s. 6d. spot. Chinese 3s. to 3s. 6d., duty paid.

GERANIUM.—Bourbon, 185s. to 200s. per lb. on the spot.

GINGERGRASS.—Spot 27s. 6d. per lb.

GRAPEFRUIT.—Jamaican, 15s. per lb. spot. Florida, 17s. spot.

LAVANDIN.—Spot from 6s. per lb. for original drums.

LAVENDER.—From 24s. to 37s. 6d. per lb. as to quality.

LAVENDER SPIKE.—Spanish, 13s. 9d. per lb. for original drums.

LEMON.—B.P. grades from 12s. 6d. per lb., spot; Sicilian, 25s. 6d. Terpeneless, 500s. per lb.

LEMONGRASS.—Spot, 13s. 6d. per lb., and shipment, August–September, 12s. 6d., c.i.f.

LIME.—West Indian distilled, 51s. per lb. on the spot.

NUTMEG.—Imported B.P. oil is 90s. per lb. English-distilled 100s.

ORANGE.—Spot quotations of sweet oil include Floridan at 3s. 6d. per lb.; West Indian, 4s. 6d.; Israeli, 7s. 6d.; Californian, 5s. 3d. to 7s. 6d.

OTTO OF ROSE.—Bulgarian, 400s. per oz.

PALMAROSA.—Spot, 36s. 6d., per lb., 34s., c.i.f.

PATCHOULI.—Penang is 40s. duty paid and 36s. 6d., c.i.f., per lb.

PENNYROYAL.—Spot, 12s. 6d. per lb. duty paid.

PEPPERMINT.—*Arvensis*: Chinese spot, 36s. per lb. Brazilian, 16s. spot and shipment, 16s., c.i.f. *Piperita*: Italian "Mitcham-type" from 42s. 6d. to 48s. 6d.; American, 25s. to 30s., as to origin.

PETITGRAIN.—Paraguay, 18s. 9d. per lb., spot; shipment, 17s. 9d., c.i.f.

PINE.—*Pumilionis* on the spot is 16s. per lb.; *sylvestris*, 25s.; Siberian (*abietis*), 12s. 6d. to 14s.

ROSEMARY.—Spanish is 7s. 6d. per lb. on the spot for best quality.

RUE.—Spanish is 25s. per lb. spot.

SAGE.—Spanish, 8s. per lb.

SASSAFRAS.—Brazilian is from 3s. 6d. per lb., duty paid.

SPEARMINT.—American oil from 50s. per lb. Chinese, 45s., c.i.f.

TANGERINE.—From 17s. 6d. to 26s. per lb., as to quality, spot.

YLANG YLANG.—Spot, 37s. 6d. per lb.

## UNITED STATES REPORT

NEW YORK, AUGUST 2: Bourbon VANILLA BEANS eased to \$11.25 a lb., down 50 cents. Lower per lb. among CRUDE DRUGS were STYRAX at \$4.85, down 15 cents; and CHAMOMILE FLOWERS at 85 cents, down 10 cents.



## TELEVISION

Figures in the columns represent number of appearances of the product during the week.

August 14-20	London	Midland	North	Scotland	Wales	South	N.E.	Anglia	Ulster
Alka-Seltzer	..	3	2	2	3	2	2	3	3
Anadin ..	..	3	3	4	5	9	1	—	7
André Philippe bubble bath	..	—	—	—	—	—	—	—	1
Anne French	..	—	—	1	—	1	—	—	1
Askit ..	..	—	—	12	—	—	—	—	7
Beecham's pills	..	2	1	1	2	2	2	2	1
powders	..	3	3	3	2	3	3	—	2
Biladin ..	..	—	—	—	—	—	—	2	—
Bisodol ..	..	—	—	—	—	3	—	—	—
Bristow's lanolin shampoo	..	1	—	—	—	1	—	—	—
Coopers aerosols	..	2	1	5	3	3	2	3	2
Cuicura ..	..	—	2	—	2	—	—	—	—
Delsey ..	..	2	4	3	—	4	5	—	4
Dextrosol tablets	..	3	3	—	—	3	—	—	—
Dispel ..	..	—	—	—	3	—	—	—	—
Dristan ..	..	—	1	—	—	—	—	—	—
Eno's Fruit Salt	..	4	2	2	3	2	3	—	4
Euthymol tooth-paste	..	—	1	1	1	1	1	—	1
Flit aerosols	..	5	5	5	4	4	5	4	4
Freezone ..	..	—	—	—	—	—	—	2	—
Gynnon salt ..	..	1	2	3	3	2	2	3	1
Germolene ..	..	2	4	—	—	—	—	—	—
Gillette blades	..	1	—	—	—	—	—	—	—
razors	..	5	3	2	3	3	3	6	2
Hi-Glo shampoo	..	3	3	3	—	3	3	—	—
Immac ..	..	2	3	2	1	2	2	3	2
Ingram shaving cream	..	2	3	3	3	3	3	3	—
Klik ..	..	4	—	—	5	—	—	—	—
Medac ..	..	1	1	—	—	—	—	—	—
Mum rollette	..	3	3	3	2	2	2	2	3
Phosferine ..	..	2	1	1	—	—	—	—	—
Phyllosan ..	..	1	1	—	—	—	2	1	1
Radox ..	..	3	—	—	—	4	—	2	—
Remington shaver	..	2	2	1	1	—	1	—	1
Rennies ..	..	3	3	3	2	1	2	1	3
Rinstead pastilles	..	1	1	1	—	1	1	—	1
Rivella ..	..	3	—	—	—	—	—	—	—
ScotTowels ..	..	3	—	—	—	—	—	—	—
Sebbix shampoo	..	3	2	2	2	3	2	2	2
Sek ..	..	1	1	—	—	—	1	—	—
Setlers ..	..	3	2	—	2	2	1	—	—
Silvikrin hair cream	..	3	5	2	—	—	—	—	3
liquid shampoo	..	—	—	—	—	—	—	—	2
Spontex ear sponges	..	3	—	—	—	3	—	—	—
Star Spray ..	..	1	—	—	—	1	—	—	—
Winspray products	..	2	—	—	—	2	—	—	—
Yeast-vite ..	..	1	2	2	1	1	3	1	2
Zoflora ..	..	—	—	1	—	—	—	—	—

## COMING EVENTS

Items for inclusion under this heading should be sent in time to reach the Editor not later than first post on Wednesday of the week of insertion.

### Wednesday, August 10

BIRMINGHAM PHARMACEUTICAL ASSOCIATION, cricket ground at rear of Saracen's Head hotel, Stratford Road, Shirley, at 2.30 p.m. Sports day. (If wet, at Shirley Institute.)

MANCHESTER PHARMACEUTICAL GOLFING SOCIETY, Mere. Woolley trophy and prize (ladies' day).

## PATENTS

COMPLETE SPECIFICATIONS ACCEPTED From the "Official Journal (Patents)," July 27 (by permission, Controller, H.M. Stationery Office) Hormone compositions and the preparation thereof. Upjohn Co. 848,881.

4-substituted steroid compounds and the preparation thereof. Soc. Farmaceutici Italia. 849,098. Pharmaceutical compositions comprising substituted 1, 2, 3, 6-tetrahydropyridines. May & Baker, Ltd. 849,282.

Isonicotinylhydrazide derivative and process for its preparation. May & Baker, Ltd. 848,502.

Phenothiazine derivatives and their preparation. Sterling Drug, Inc. 849,137.

Water-soluble steroid compounds and a process for their manufacture. Schering, A.G. 848,515.

Steroids and the manufacture thereof. Upjohn Co. 848,749, 849,071, 849,072.

Manufacture of steroids. Lepetit, S.p.A. 848,914.

Oxytocin salts and process for their production. Parke, Davis & Co. 849,067.

Sulphonamides. CIBA, Ltd. 848,622, 848,627.

Sulphonamide derivative and process for its manufacture. CIBA, Ltd. 848,630.

Process for the manufacture of carboxylic acid aryl esters. CIBA, Ltd. 849,166.

Process for the production of polycarbonates. Distillers Co., Ltd., 849,081.

Reserpine derivatives and process for their manufacture. CIBA, Ltd. 849,082.

Production of arylxybutyric acids. Monsanto Chemicals, Ltd. 849,089.

Polyamide production. Monsanto Canada, Ltd. 849,000.

Production of hydrochlorides of basic carbamic acid esters. Badische Anilin & Soda-Fabrik, A.G. 848,737.

Polyester compositions. Howards of Ilford, Ltd. 848,826.

N-vinyl-3-morpholinone compounds and polymers thereof. Dow Chemical Co. 849,038.

Process for the manufacture of  $\alpha$ -chloro- $\beta$ -amino-carboxylic acid derivatives and  $\alpha$ -chloro- $\beta$ -amino-carboxylic acid derivatives. F. Hoffmann-La Roche & Co., A.G. 848,611.

Anti-oxidant compositions and aqueous dispersions thereof. American Cyanamid Co. 848,773. Water-soluble complexes of 8-hydroxy-quinoline and a process for their preparation. Compagnie Francaise des Matieres Colorantes. 849,275.

Dithiocarbamates and derivatives. Rohm & Haas Co. 849,116, 848,894.

Process for the stabilising of esters of phosphorus-containing acids. J. R. Geigy, A.G. 848,485.

Detergents and disinfectants. T. Goldschmidt, A.G. 848,654.

Catamenial appliances. E. I. Du Pont de Nemours & Co. 848,896.

Materials consisting of loose fibres. P. A. Müller. 848,976.

British patent specifications are obtainable (price 3s. 6d. each) from the Patent Office, 23 Southampton Buildings, Chancery Lane, London, W.C.2.

## CONTEMPORARY THEMES

Subjects of contributions in current medical and technical periodicals.

URICOSURIC AGENTS in the management of gout. J. Amer. med. Ass., July 9, 1960.

OVEREATING. Status and prospects of drugs for. J. Amer. med. Ass., July 9, 1960.

DETERMINATION of Bence Jones protein in the urine. J. Amer. med. Ass., July 9, 1960.

AMPHOTERICIN B in bilateral cavitary histoplasmosis. J. Amer. med. Ass., July 16, 1960.

SKIN CHANGES from sunburn and suntan. J. Amer. med. Ass., July 16, 1960.

ANALGESIC PROPERTIES of 4-Ethoxycarbonyl-1-(2-hydroxy - 3 - phenoxypropyl) 4 - Phenylpiperidine (B.D.H. 200) and some related compounds. J. Pharm. Pharmacol., August 1960.

THE USE of S-alkyl-N-phenylthiuronium picrates, styphnates and picronates for the characterisation of alkyl halides. J. Pharm. Pharmacol., August 1960.

AN ULTRA-VIOLET SPECTROPHOTOMETRIC METHOD for the determination of picrate, styphnate

and picronate in S-alkyl-N phenylthiuronium salts. J. Pharm. Pharmacol., August 1960.

SULPHITE. A study of the toxicity of. J. Pharm. Pharmacol., August 1960.

THE ANTICONVULSANT PROPERTIES of 2-methyl-phenomphenyl-3H-4 quinazolinone hydrochloride (B.D.H. 1880) and some related compound. J. Pharm. Pharmacol., August 1960.

AN INVESTIGATION of the alkaloids of some British species of *equisetum*. J. Pharm. Pharmacol., August 1960.

RELATIONSHIP of chemical structure to central nervous systems effects of tranquillising anticonvulsant drugs. J. Amer. pharm. Ass. Scientific edition, July 1960.

COMPLEXINO TENDENCIES of saccharin in aqueous solutions. J. Amer. pharm. Ass., Scientific edition, July 1960.

THE SOLUBILITY of benzoic acid in mixed solvents. J. Amer. pharm. Ass., Scientific edition, July 1960.

EMULSIFICATION with ultrasonic waves. J. Amer. pharm. Ass., Scientific edition, July 1960.

SIGMAMYCIN. The use of in paediatrics. Practitioner, August 1960.

THE HEALTH of executives. Practitioner, August 1960.

## PRINT AND PUBLICITY

### PUBLICATIONS

#### Medical Propaganda

Manufacturers' leaflets, folders, booklets, etc. directed to doctors but available to pharmacist. BOOTS PURE DRUG CO., LTD., Station Street Nottingham: "Metastab" (8-p. booklet "Febrilix" (4-p. folder).

CROOKES LABORATORIES, LTD., Park Royal, London, N.W.10: "Cortocaps" (4-p. folder).

ELI LILLY & CO., LTD., Basingstoke, Hants: "Cycloserine" (information card).

EVANS MEDICAL, LTD., Speke, Liverpool, 24: "Clorevan for the Treatment of Parkinsonism" (10-p. booklet).

GEIGY PHARMACEUTICAL, CO., LTD., Wythenshawe Manchester, 23: "Hygroton" (dosage card "Tromexan," "Thrombokinas "Geigy" with Calcium," "Anturan" (20, 12, 24-pp. booklets); "Hygroton" (3 x 4-pp. folders); "Delta Butazolidin Minimises the Risk of Hormonal Imbalance" (6-p. folder); "Delirium Ferarum" (62-p. booklet).

PHARMACEUTICAL SPECIALITIES (MAY & BAKER LTD., Dagenham, Essex: "Flagyl for Trichomonal Infestations," "Phenergan in Antihistamine Therapy and Sedation" (20-p. and 46-p. booklets); "Anthical Cream" (folder).

PHARMETHICALS (LONDON), LTD., 20 Gerrard Street, London, W.1: "Primodos" (information card); "Primolut N—A New Treatment for Menorrhagia" (6-p. folder).

THE BRITISH DRUG HOUSES, LTD., Graham Street London, N.1: "When There's Trouble Afoot—Meyl" (4-p. folder).

VITAMINS, LTD., Upper Mall, London, W.1: "Dal-tocol Vitamin E" (bookmark); "Be max" (blotter); "Orovite" (4-p. folder).

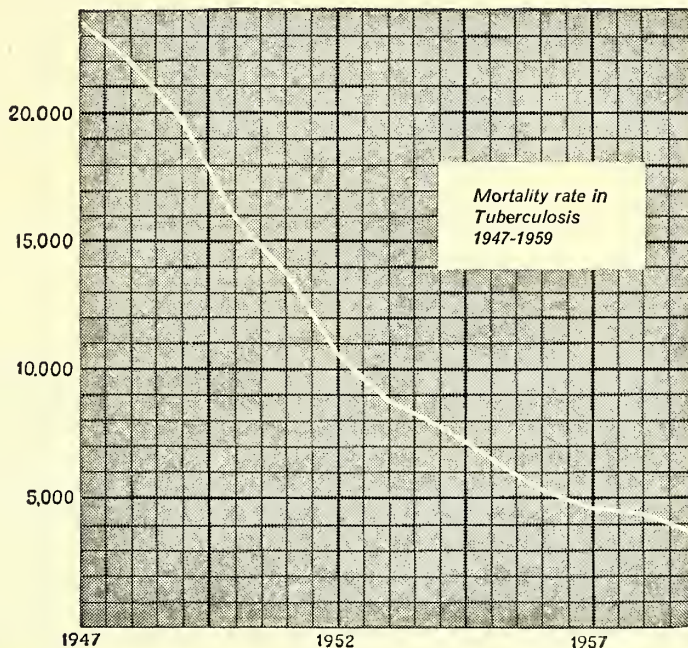
WILLIAM R. WARNER & CO., LTD., Eastleigh Hants: "Anusol Preparations" (information card).



SIPHON DISPLAY Sparklets, Ltd., have recently issued new display and packaging material to promote sales of Sparklets syphons and refill bulbs. The display shows the syphon mounted on a candy-striped canopy platform "dispensing" (by means of a clear glass rod) a sparkling "splash" to an imaginary drink. Sparklet refill bulbs—ten to the carton—are neatly stacked in a wire self-service dispenser unit alongside. Supplies of the displays are available direct from Sparklets, Ltd., Queen Street London, N.17.



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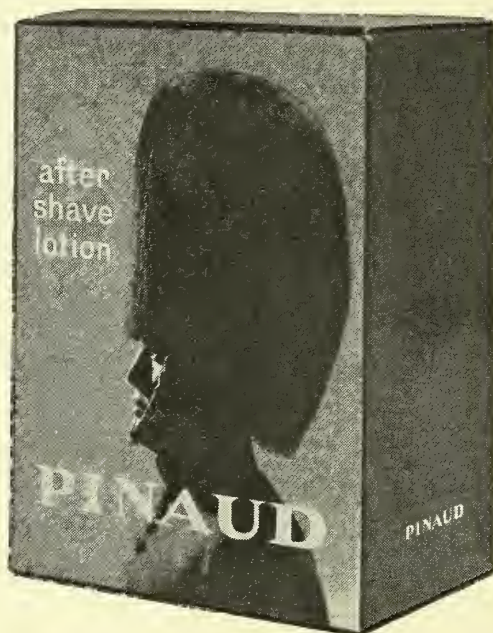
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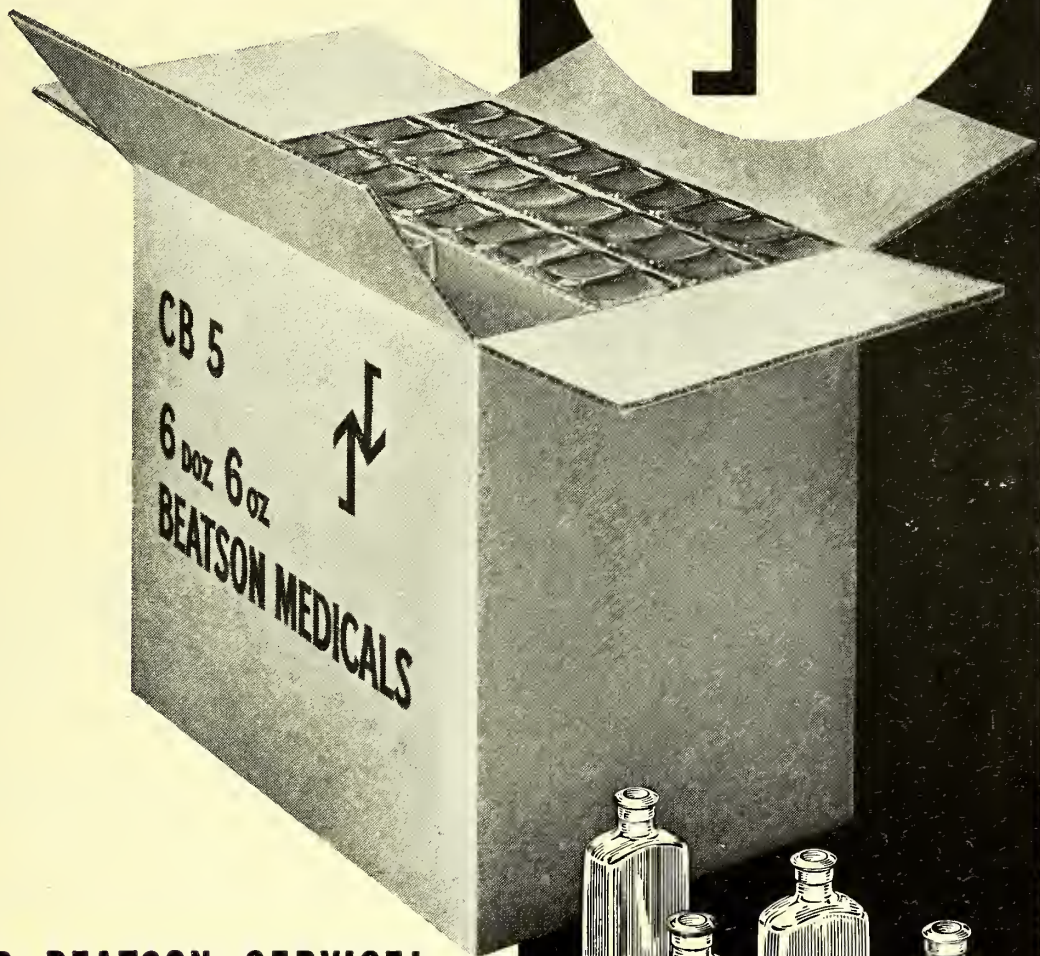
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(Thanks) Ugh! How rough can you get? Pink eyes, blue beard, tongue like a... Cold shower? Yeah. Well just a bit of warm maybe?...



7.5 a.m.

(Thanks) Brrr! C'mon now Wake up and live—and brother! did you need waking up! Soap smells good—tal's terrific



7.7 a.m.

(Thanks) Aaah! Talk about a close shave! Fewer hazards with a lovely lather like this tastes good too! Get the early train this morning



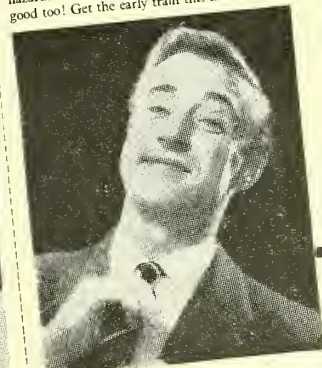
7.10 a.m.

(Thanks) Wheee! Some tingle! Reckon that's done the trick. Boy, do I feel brisk. To-day, I'd take on anyone. 'Gentlemen of the Board, unaccustomed as I am...



7.12 a.m.

(Thanks) Smo-o-o-th! That's the only word for a fellah like you—that Hair cream certainly has what it takes. There now—done for the day.



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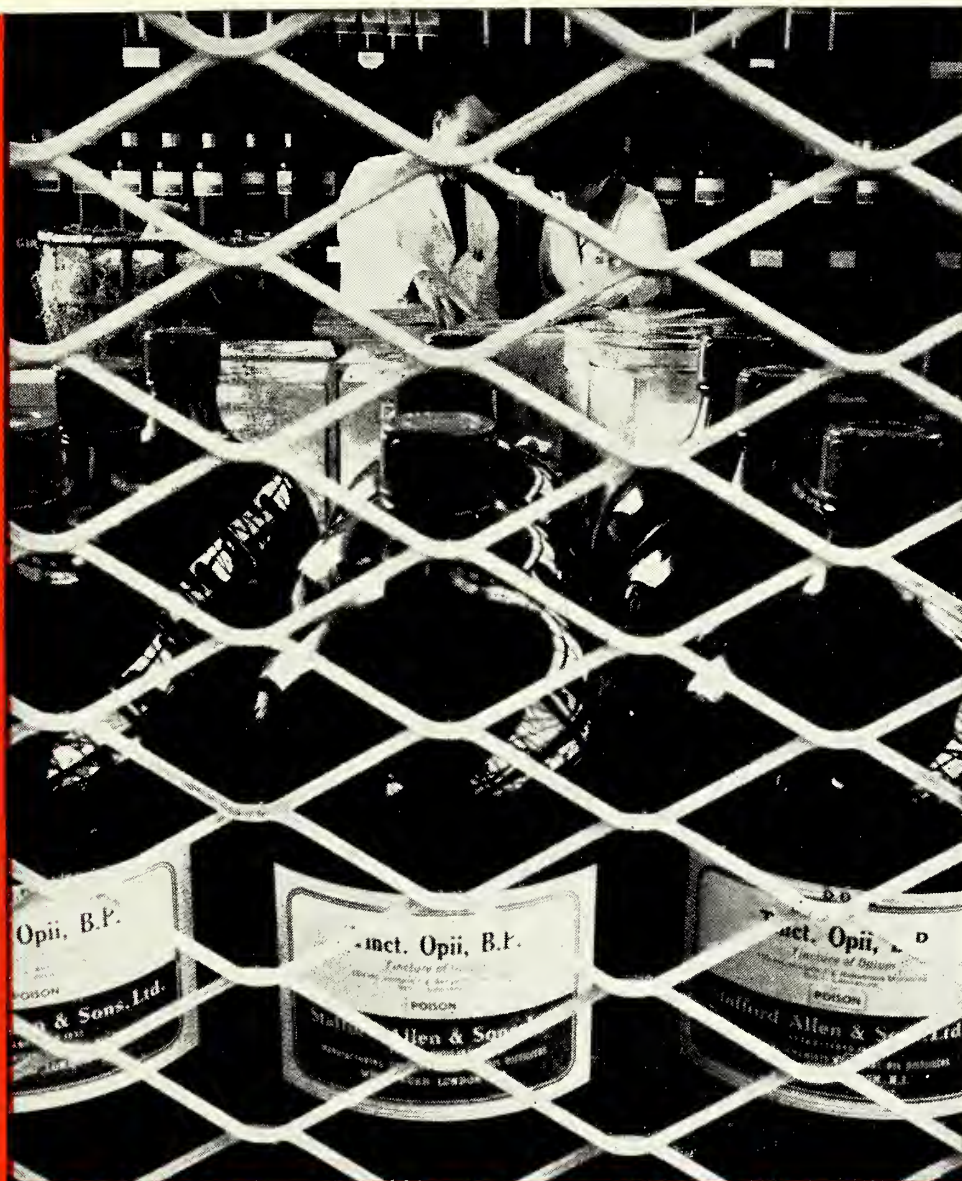
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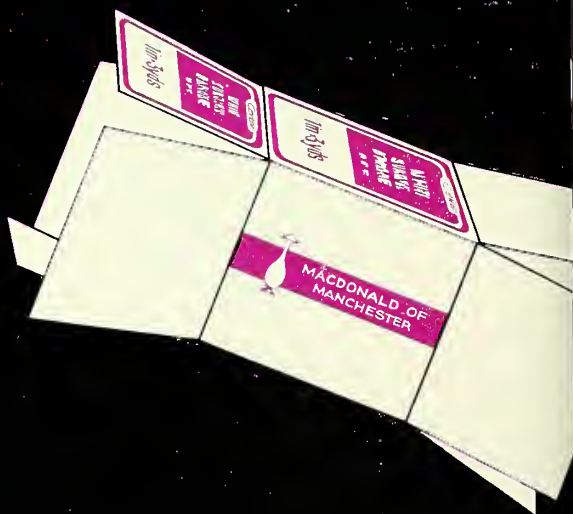
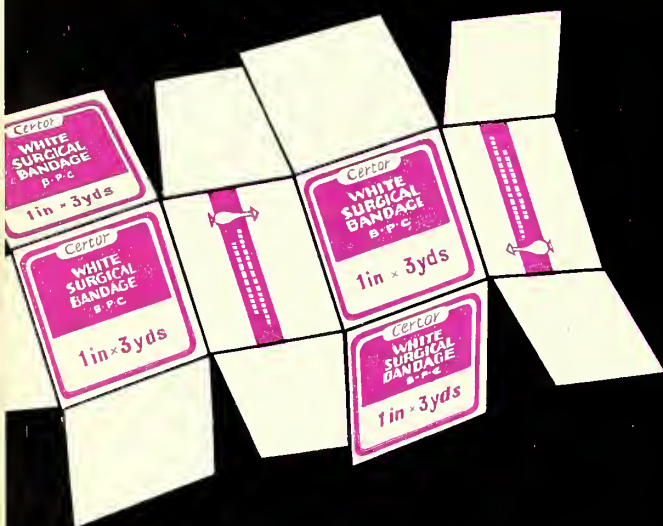
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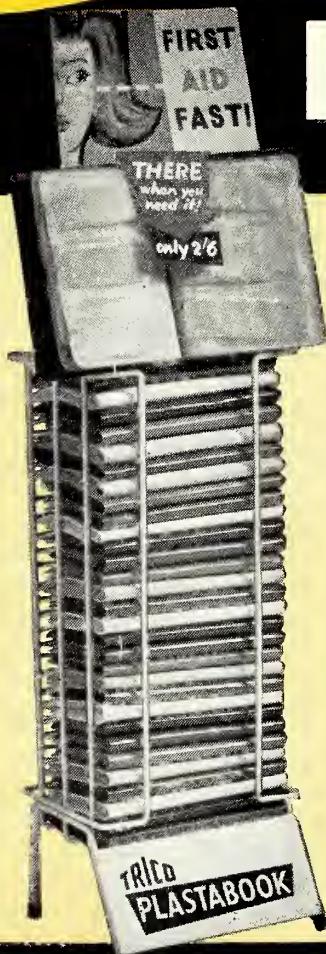
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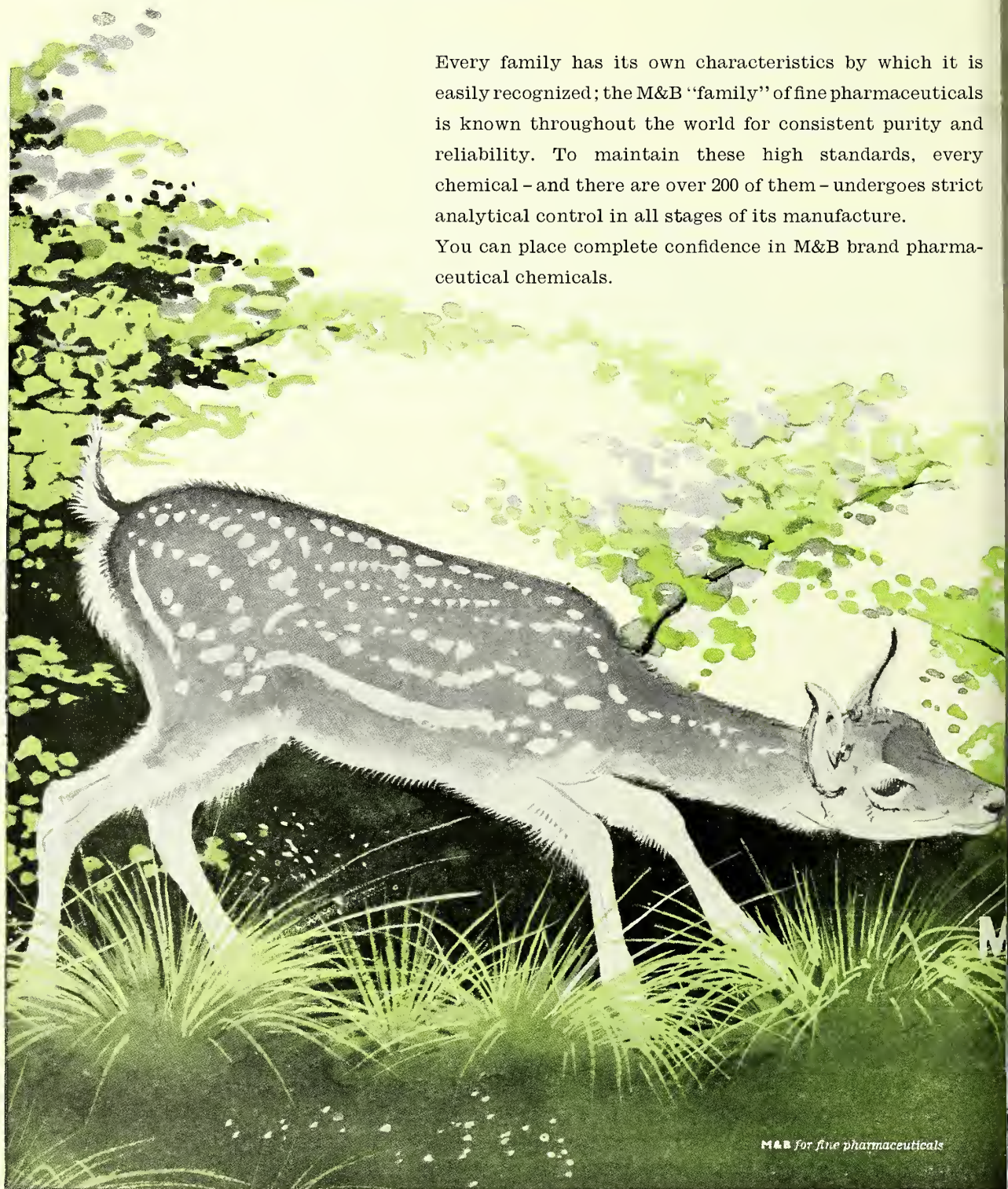
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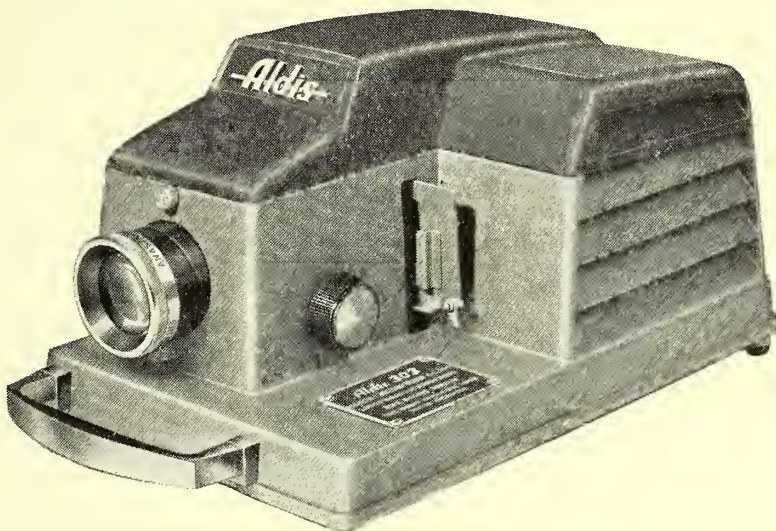




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**ALDIS 505** Similar in appearance to the Aldis 303 but designed for 500 w. illuminations. This more powerful model gives really brilliant pictures; additional heat filter and baffle plate coupled with the powerful 4½" diameter axial flow fan protect valuable transparencies from buckling. Finished in an attractive two-tone colour scheme.

Complete with protective cover £23.17.6  
500 w. valve base lamp £2.15.0



Use an ALDIS screen  
for your viewing

ALDIS SQUARE-40  
£5.19.6

ALDIS SQUARE-50  
£7.19.6

## thanks to

# ALDIS

Sole Wholesale Distributors:

**NEVILLE BROWN**  
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Trade Counter:  
3 BERNERS MEWS, W.1 (rear of Building)  
Tel. LAN. 7161 (10 lines)





# PHOTOGRAPHIC DEALERS...

## Recipe

## for a successful colour slide show

Take one Airequipt slide changer complete with magazine;  
(add further magazines as required)

Place 36 transparencies in each;

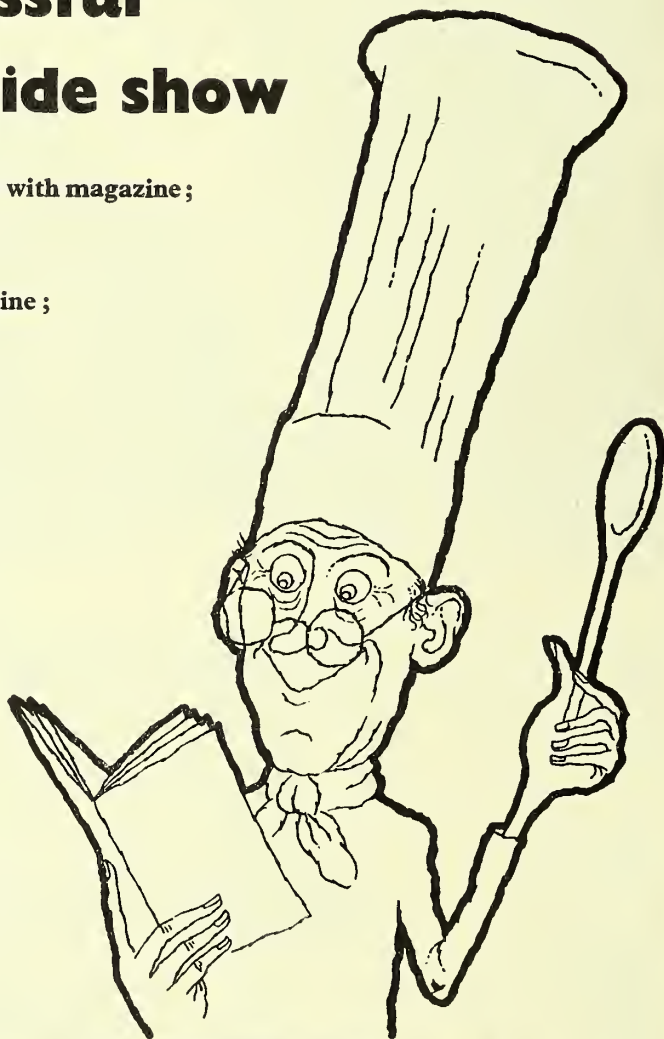
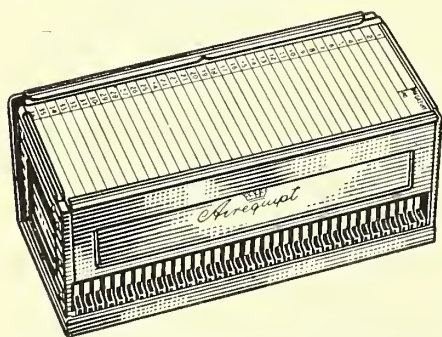
Index them on card provided on magazine;

Store until needed in individual boxes.

Served up at your next party,

This will provide a smooth-running,  
successful slide show  
that everyone will enjoy.

*N.B.*—The chief virtue of this recipe is that  
the same ingredients may be used  
over and over again!



Fits Aldisettes 2 and 3 and Super Aldisette.  
Adaptor for Aldis 303 and Aldis 505, 5/-.  
Adaptors for Aldisette, Aldis 300, Aldis 500,  
Aldis 1000, Aldis Super Six, Gnome, Hi-Lyte,  
Leitz 150, Leitz Prado 250, Leitz Prado 500,  
Leisegang Orlux, Zeiss, 7/6 each.

**Airequipt Automatic Slide Changer,**  
complete with one magazine and 36  
slide frames. Only £4.15.0

Extra magazine with 36 slide frames.  
Only 14/9

# **Airequipt**

*automatic slide changer*





—it's time you ordered  
*Dreamland*

THE SUPERB ELECTRIC BLANKET WITH THE BIGGEST-EVER PROMOTION!



You mustn't miss Dreamland—the electric blanket which gives all-through, all-over warmth. You mustn't miss Dreamland—with its hottest-ever advertising campaign, its family peak-hour spots on *all* television networks, its eye-catching sales aids, its £5,000 prize competition—and its extra 5% discount for *you*! You *might* miss Dreamland and be left right out in the cold—if you don't order *now* . . . and order *plenty*.

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## BIOMETICA brings you

### CANADA'S LEADING AFTER SHAVE TANNING LOTION



*Certain areas of Canada experience a similar climate to our own, and the formulation of this product has been adjusted accordingly.*

**MY TAN** imparts a deep healthy, *even* tan overnight.

**MY TAN** is a crystal clear solution.

**MY TAN** achieves its effect in a few hours and is permanent as a natural sun tan. No stains, nothing to harm the most sensitive skin—contains vitamin D, the important sunshine vitamin. First apply overnight then just use as an after shave lotion each morning—gives a smooth even tan.

**RETAIL PRICE 15/- per bottle**

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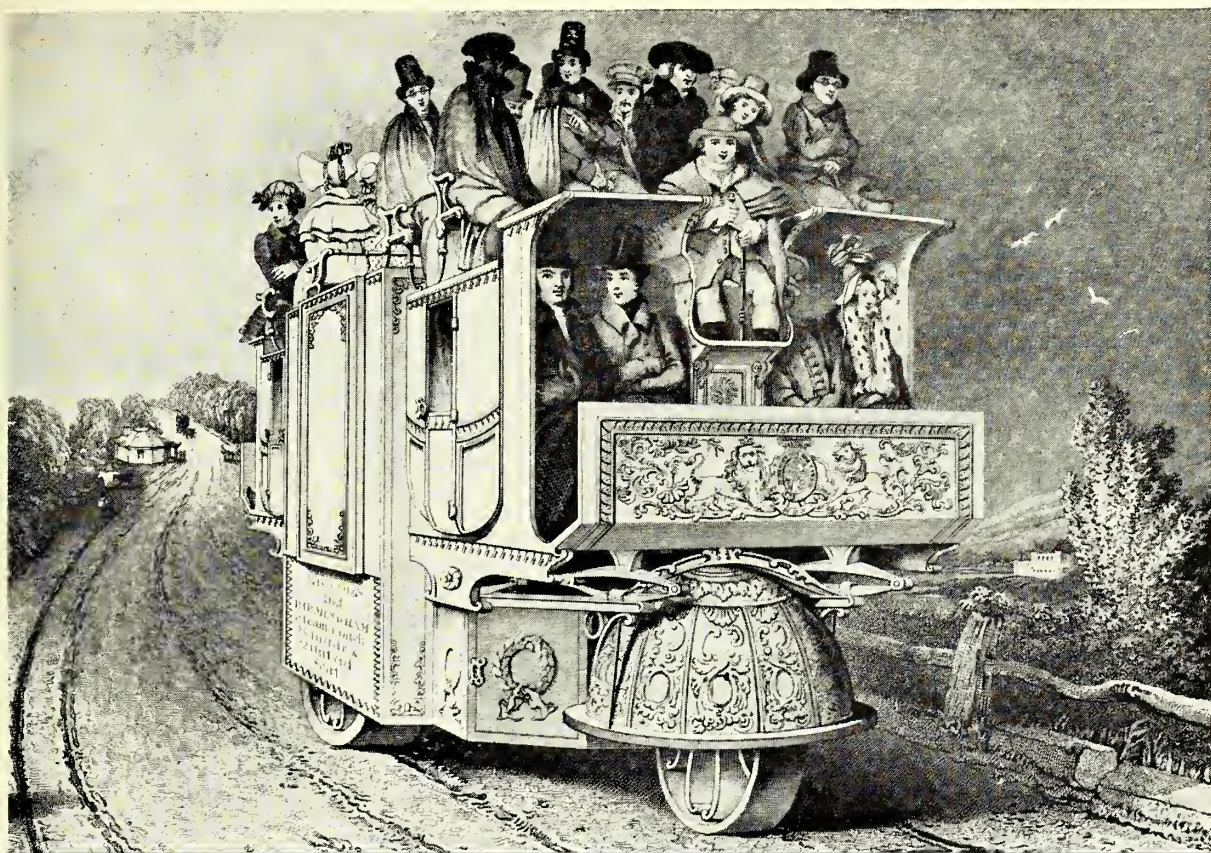
**Orders for 1 doz. bottles or more will come to you in a MOST COMPELLING AND OUTSTANDINGLY ATTRACTIVE COUNTER DISPLAY from**

**BIOMETICA LIMITED**

Boreham Wood, Herts. Telephone: Elstree 3520

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**All very well in its time . . .**

*(Church's Steam Carriage, which ran from London to Birmingham in 1833 illustration lent to Science Museum, London by Mr. R. B. Prosser.)*

... but we've advanced since then in every technological direction. In medicine, too, drugs like LEDERMYCIN are revolutionizing therapy. LEDERMYCIN demethylchlortetracycline has quickly established itself as the superior broad-spectrum antibiotic—because it improves on every virtue of earlier tetracyclines. Its dosage is lower—its stability is greater—its peak levels are higher—and its side effects are fewer.

# Ledermycin<sup>†</sup>

DEMETHYLCHLORTETRACYCLINE † TRADEMARK

**PRESENTATION:** *Dry-filled two-tone capsules of 150 mg. in bottles of 16, 100 and 1000 capsules*



**LEDERLE LABORATORIES**  
a division of  
CYANAMID OF GREAT BRITAIN LTD. London W.C.2



# Announcement

**T**HE Wright-Fleming Institute of Microbiology has entered into an agreement with Beecham Research Laboratories Limited for promoting the use of vaccines, toxoids and other products made by the Institute for the prevention and treatment of disease. The biological products of the Institute will shortly be packaged and distributed to the medical profession, hospitals and pharmacists by Beecham Research Laboratories Limited.



**BEECHAM RESEARCH  
LABORATORIES LIMITED**

*\* Enquiries regarding Wright-Fleming products should be addressed  
to Beecham Research Laboratories Limited, Brentford, England  
Telephone: Isleworth 4111*





## Competitive quotations on request

for Adrenaline, Atropine, Benzamine Salts,  
Bismuth Salts, Carbachol, Emetine and  
E.B.I., Ergometrine, Hyoscine, Hyoscyamine,  
Ouabain, Physostigmine, Pilocarpine,  
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other alkaloids and glycosides

# B.W.& CO. Fine Chemicals



**BURROUGHS WELLCOME & CO.**

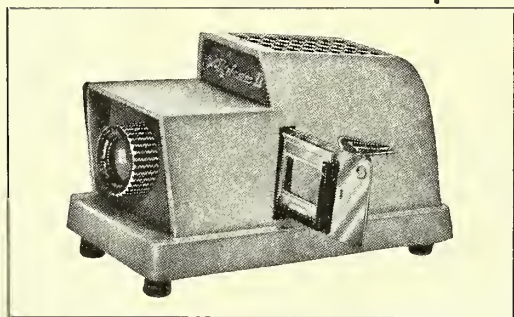
(The Wellcome Foundation Ltd.)

The Wellcome Building, Euston Road, London, N.W.1



# ALPHAX PROJECTORS

**Sales up!**



**Prices down!**

ALPHAX II 150 WATT £11 19 6

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GNOME PHOTOGRAPHIC PRODUCTS LTD  
CAERPHILLY ROAD, CARDIFF



## "Eagle" Brand Chemicals

PHOTOGRAPHIC CHEMICALS  
SODIUM METABISULPHITE  
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(Crystals and Anhydrous)  
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## SUGAR CANE MOLASSES

packed in glass jars  
for convenience and  
better protection.

Available in various sizes.

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**JEFFREYS, MILLER & CO. LTD.**

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*Indispensable in your business*

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### SHELF EDGE TICKET SYSTEMS

Hygienic glazed plastic Tickets for Metal, Plastic or Wood Beading

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Numerous standard designs or to customer's own specifications

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**FALCONCRAFT LTD.** Dept 1, 91 HAINAULT ROAD • ROMFORD • ESSEX Tel: Romford 61911-2



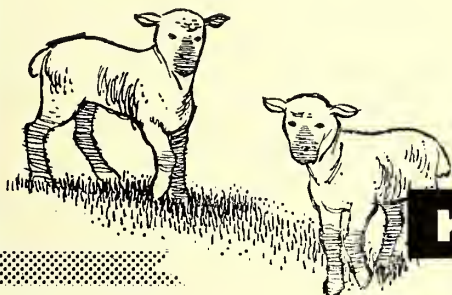
# Calcium Gluconate



Calcium gluconate is widely accepted as the most satisfactory means of administering calcium. Prescribed medically for numerous ailments, including debility, rickets, dental caries, neurasthenia and in pregnancy.

## *and in veterinary practice*

Calcium gluconate is also used in the treatment of conditions such as milk fever, eclampsia and lambing sickness. Please write for our new leaflet "Calcium Gluconate in Veterinary Practice" for full details.



Taken by the mouth in tablet or powder form calcium gluconate is well absorbed and practically tasteless. By injection it produces the minimum of reaction. For full details please write for our booklet.

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*Chemicals for Industry*

Sales Dept.

KEMBALL, BISHOP & COMPANY LIMITED, RAMSGATE ROAD, SANDWICH, KENT

Telephone: ADVance 1234 & SANDWICH 2371 (Private interconnecting lines)



**8 out of 10 women are being  
reached regularly by the current  
Tress advertising . . . so keep  
Tress Wave Set right before the eyes  
of your hair-conscious customers**



*A creation of*  
**L'OREAL • PARIS**

#### TRADE TERMS

SMALL SIZE: Price 10/- per dozen bottles  
plus 50% tax selling at 1/8 per bottle.  
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*From your usual wholesaler or from:*

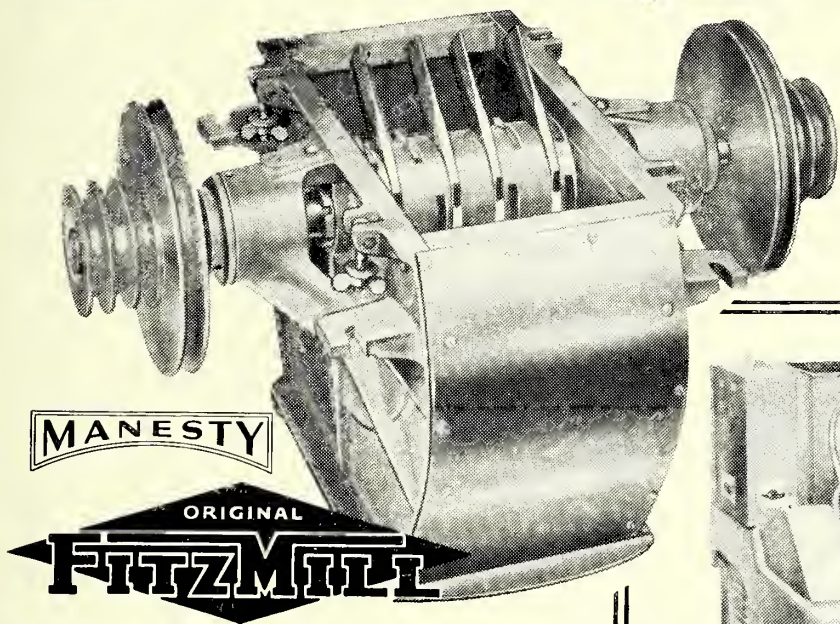
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Republic of Ireland enquiries to: Lilmar Pharmaceuticals Limited, Santry, Dublin.



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**THAT'S  
THE  
WORD  
FOR  
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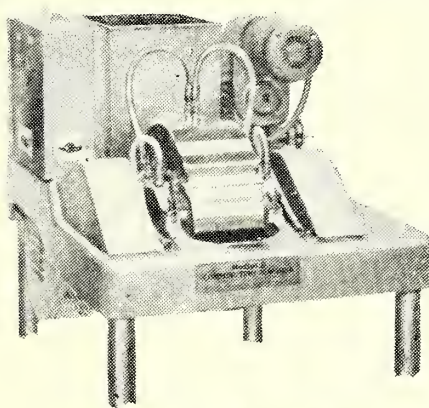
**MANESTY**

ORIGINAL

**FITZMILL**

- ★ FOR PULVERIZING
- ★ FOR COMMINUTING
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Demonstrations gladly arranged.  
Further details from



**...AND NOW  
THE 58D6...**

FOR PROCESSING  
WITH CONTROLLED FEEDING AND  
CONTROLLED TEMPERATURE

*If you want the benefits of the latest U.S. techniques in processing we can now offer the full range of W. J. Fitzpatrick machines.*

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TABLET MACHINES · PUNCHES AND DIES · MIXERS · GRANULATORS · AUTOMATIC WATER STILLS



They will fall head over heels in love  
with Love Affair by

Goya

Lingering, enchanting and  
irresistibly feminine . . .  
this is the perfume that's  
fashion high and all set to  
send sales skywards!





## Goya announces

this exciting new bottle  
packed in an enchanting,  
different way.

Miniature bottle 5/6  
Jewelled spray 15/-  
Sapphire bottle 8 gns.



### You can't stock too much Love Affair

Thousands will see the biggest, most spectacular advertising campaign  
yet for Love Affair in all these high-circulation publications:

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WOMAN'S OWN  
WOMAN'S REALM  
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MODERN WOMAN  
PHOTOPLAY  
SHE  
VANITY FAIR

WOMAN & BEAUTY  
VOGUE BEAUTY BOOK  
HONEY  
DATE  
FLAIR

# Love Affair

*All the rage and a top-fashion seller!*



**SALES ARE INCREASING**  
*increase your sales*  
**of these popular**  
**NUCTA lines**

SOLE MANUFACTURERS

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**NUCTA**

**EGG & LEMON SHAMPOO**

IN THE HANDY PLASTIC TUB.....1/-  
(TRADE PRICE 6/8 DOZ. PLUS TAX)

IN THE FAMILIAR 2 OZ. JAR AT.....2/7  
(TRADE PRICE 17/6 DOZ. PLUS TAX)

**NUCTA**

**HAIR STYLING LOTION**

FOR MORE LASTING SETS

4/6 PER BOTTLE (26/- DOZ. PLUS TAX)

**Do not**  
**disappoint**  
**your customers**  
*—stock and display*

**Askit**

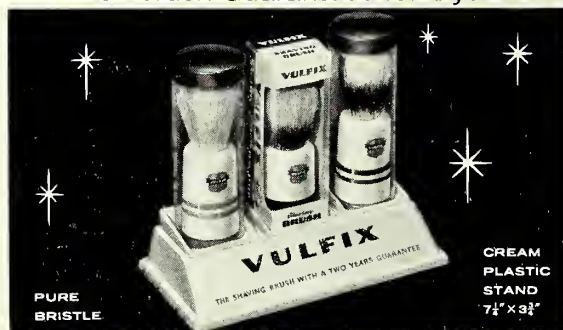
Powders and tablets for the safe and  
speedy relief of headaches, colds, chills,  
rheumatic and nerve pains.

EX ALL LEADING WHOLESALE HOUSES

A **NEW** DISPLAY for

**VULFIX**  
**SHAVING BRUSHES**

Each brush Guaranteed for 2 years



**FREE** with PARCEL No. 910  
containing...

4 pcs. No. 20 PURE BRISTLE BRUSH  
Each in window carton.....RETAIL PRICE **4/6** EACH  
4 pcs. No. 21 PURE BRISTLE BRUSH  
Each in acetate tube.....RETAIL PRICE **5/11** EACH  
4 pcs. No. 22 PURE BRISTLE BRUSH  
Each in acetate tube.....RETAIL PRICE **7/11** EACH  
W.S.P. **41/4** Plus P.T. RETURNS **73/4**

**PROGRESS SHAVING BRUSH (VULFIX) LIMITED**  
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# Solprin · Codis · Cafdis

## Their place to-day

General acceptance won by Solprin, Codis and Cafdis is due to their aspirin content being soluble and substantially neutral. Consequently all three are quick acting and are far less likely to upset the stomach.

Medical opinion to-day is overwhelmingly in support of soluble aspirin. This is why doctors prescribe Solprin, Codis or Cafdis, and this is why the chemist dispenses them so often.



*Neutral  
soluble aspirin.*

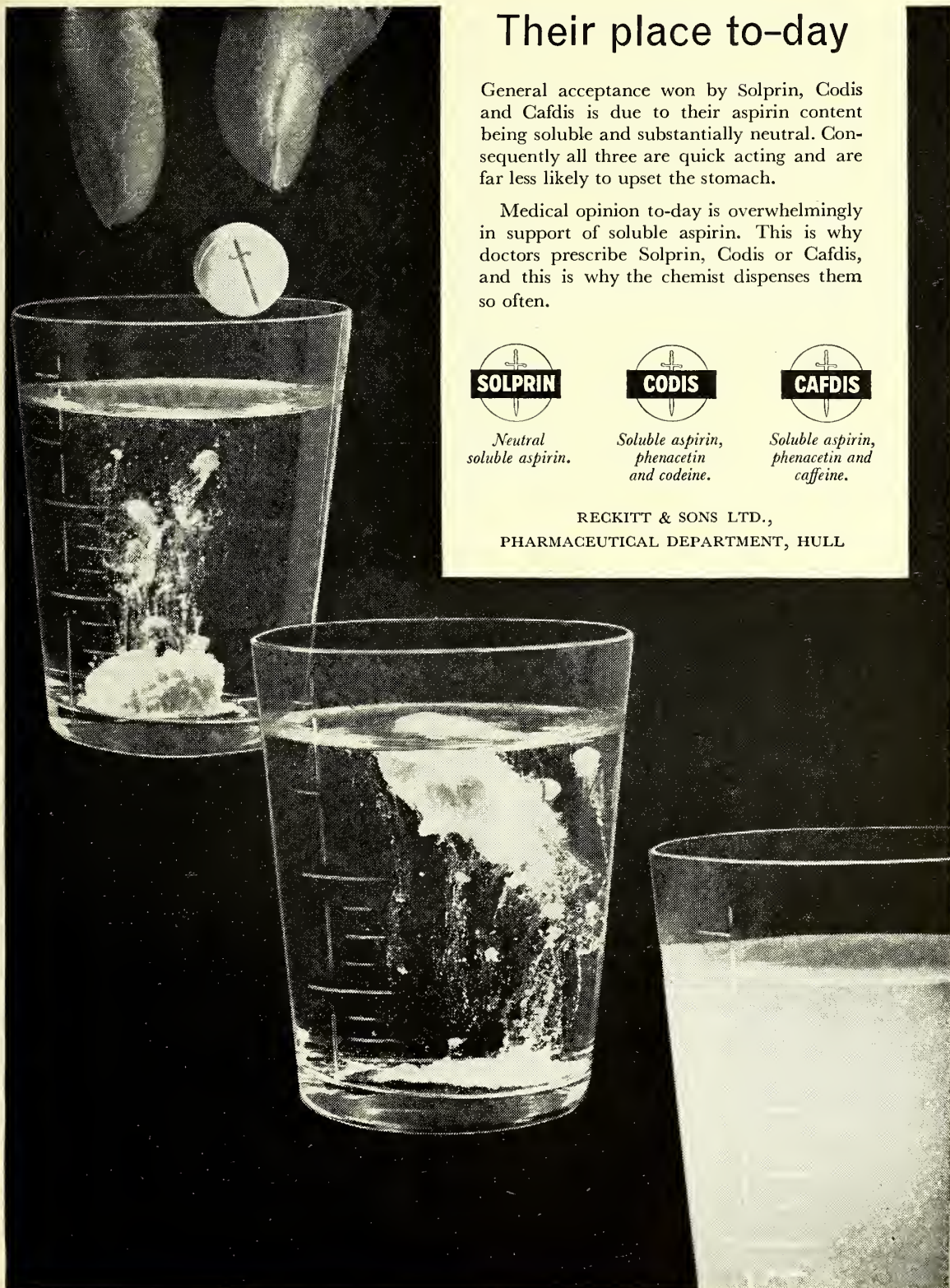


*Soluble aspirin,  
phenacetin  
and codeine.*



*Soluble aspirin,  
phenacetin and  
caffeine.*

RECKITT & SONS LTD.,  
PHARMACEUTICAL DEPARTMENT, HULL







## More and more housewives are buying more and more Domestos more and more often

You too can help . . . and profit from this increasing demand for Domestos. National advertising throughout the year will keep this popular product well in the public eye so that, by displaying Domestos, you'll be all set to serve when housewives come into your shop asking specially for Domestos.

IT PAYS TO DISPLAY **DOMESTOS**

# ANOTHER 1960 'FIRST' FROM JOHNSONS!

FOR BIGGER AND  
MORE BRILLIANT  
PICTURES -

## NEW

# JUMBO 22 VIEWER



### PRICE

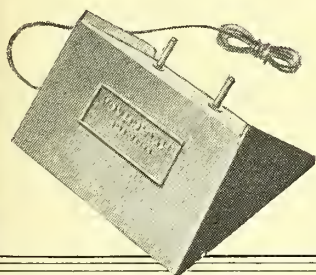
complete with bulb

**49/6**

Batteries (2 U11) extra rod.

Viewer complete with  
power base

**74/6**

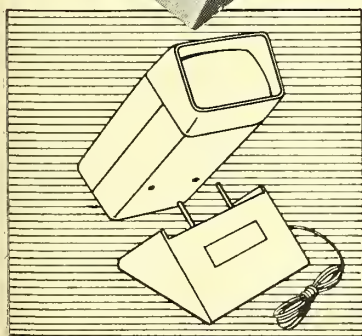


### POWER BASE CONVERTS JUMBO 22 TO MAINS VIEWER

Plug this base transformer into  
the Jumbo 22 to convert to AC  
mains operation.

Batteries automatically dis-  
connect. No need to change  
lamp. Low voltage. Perfectly  
safe. Finished in maroon.

Price **25/-**



- ★ Takes all 2" x 2" colour slides.
- ★ Choice of four picture sizes. Degree of magnification is adjusted by moving one of the lenses into any of four positions.
- ★ Two optically polished lenses.
- ★ Deep hood. Beautifully styled in maroon and grey plastic.
- ★ Gentle finger pressure on slide operates light switch. Light remains on for prolonged viewing if slide is pulled slightly back.
- ★ Battery operation or, with base, on A.C. Mains.

FOR CONFIDENCE IN PHOTOGRAPHY

**JOHNSONS**  
OF HENDON LTD





Leading Swiss chemical works are in a position to appoint

**GENERAL AGENT FOR GREAT BRITAIN**

for the distribution of their high quality textile reviving products for domestic use. The company selected will have a good financial standing and an efficient sales organization already connected to wholesalers and retailers capable of handling this line successfully. Please write to Box ZA 2085 Mosse-Annoncen AG, Zurich 23, Switzerland.

C 5746

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**ATKINSON & BARKERS**  
**INFANTS' PRESERVATIVE**

The Infants' Medicine  
of 150 years' standing

For teething and digestive troubles

**ROBERT BARKER & SON LTD**  
13 ALISTAIR STREET, MANCHESTER, 1

**Appointments—Continued**

**NEASDEN HOSPITAL,  
BRENTFIELD ROAD,  
N.W.10**  
Pharmacist (Full-time)  
Applications are invited for the above post, basic grade. To commence duties as soon as possible. Applications to Hospital Secretary.  
C 540

**NOTTINGHAM No. 1 HOSPITAL  
MANAGEMENT COMMITTEE,  
NEWARK HOSPITAL  
(70 beds)  
AND NEWARK HAWTONVILLE  
HOSPITAL  
(139 beds)**  
Chief Pharmacist (Category 2)  
Applications are invited for the above appointment at the above Hospitals but based at the Newark Hospital. Salary scale £892 rising to £1,200 per annum maximum. Duties to commence forthwith.  
Applications stating age, qualifications and experience together with copies of two testimonials to be sent to the Group Secretary, General Hospital, Nottingham, as soon as possible.  
C 5696

**Pfizer**

**Industrial Pharmacy**

An opportunity exists for a young man who has had experience of production work in the Pharmaceutical Industry to join the Pharmaceutical Development Laboratory of Pfizer Ltd. as a technician. The department is actively engaged in the formulation and development of a wide range of products.

Professional qualifications are not necessary, but experience of pharmaceutical production techniques and knowledge of the principles involved is essential.

The laboratories are situated at Sandwich, Kent, and the Company's staff live in coastal and inland towns such as Ramsgate, Canterbury, and Deal. The Company offers good salaries along with non-contributory pension and life assurance schemes, and it pays removal expenses.

Will those who are interested please write to:  
**Mr. J. M. Crowther,  
PFIZER, LTD.,  
Richborough, Near Sandwich, Kent.**  
C 5729

**THE PFIZER GROUP**

**PRESTON AND CHORLEY  
HOSPITAL MANAGEMENT  
COMMITTEE,  
PRESTON ROYAL INFIRMARY**  
Post-graduate Pharmaceutical Student  
required for 12 months' practical training, commencing September. The post offers excellent experience in all aspects of Hospital Pharmaceutical practice.  
Salary £400 per annum.  
Applications, with names of two referees, to Group Secretary, Royal Infirmary, Preston, Lancs.  
C 5736

**ST. OLAVE'S HOSPITAL,  
LOWER ROAD,  
ROTHERHAM, S.E.16**  
Senior Pharmacist  
applications are invited for appointment at the above hospital. Salary up to £895 per annum including London Weighting. Applications stating age, qualifications and experience and giving the names of two referees to the Hospital Secretary.  
C 549

**MILFORD CHEST HOSPITAL,  
GODALMING, SURREY**  
Locum Chief Pharmacist  
required week commencing October 3, 1960. Accommodation available for single person. Salary £18 18s, less £3 18s, 11d, if resident. Apply to Physician Superintendent.  
C 5710

**STEPNEY GROUP HOSPITAL  
MANAGEMENT COMMITTEE,  
MILE END HOSPITAL,  
BANCROFT ROAD, LONDON, E.1**  
Post-graduate Student Pharmacist  
required at the above hospital. Post vacant end of September 1960. Salary scale and conditions of service in accordance with Whitley Council. Applications, with names of two referees, to be sent to the Chief Pharmacist.  
C 5734

**WESTMINSTER HOSPITAL,  
S.W.1**  
Locum Pharmacist  
required to cover Summer Vacation period. 18 guineas per week. Details from Chief Pharmacist.  
C 545

**WEST PARK HOSPITAL,  
EPSOM, SURREY**  
Assistant-in-Dispensing  
(with Apothecaries' Hall Certificate) required in active psychiatric hospital. Salary and conditions of service in accordance with National Health Service Regulations. Applications with the names of two referees should be sent as soon as possible to the Group Secretary, who will be pleased to provide further information on request.  
C 539

**WHITTINGTON HOSPITAL,  
HIGHGATE HILL, N.19**  
Locum Pharmacists  
required for the periods August 29 to September 3 and August 22 to September 3 inclusive. Salary £18 18s. per week. Apply Medical Superintendent.  
C 5750

**WOKING & CHERTSEY  
GROUP H.M.C.,  
ST. PETER'S HOSPITAL,  
CHERTSEY  
(415 beds)**  
Pharmacist  
Applications invited for the above post. Whitley Council conditions. Housing accommodation available shortly.  
Applications, stating age, qualifications and experience, together with names of two referees to Administrative Officer.  
C 5737

**SOUTH-WEST DURHAM  
HOSPITAL MANAGEMENT  
COMMITTEE**  
Chief Pharmacist (Category 2)  
required at Holywood Hall Hospital, Wolsingham. Salary £895-£1,200 per annum plus £25 if holding higher qualification. Free transport available from Bishop Auckland to hospital if required. Application forms from Group Secretary, General Hospital, Bishop Auckland.  
C 5733

**WEST DORSET H.M.C.**  
Locum Pharmacist  
required for holiday relief duty at Dorset County Hospital, Dorchester, and Portwey and Weymouth & District Hospitals, Weymouth, from August 22 for seven weeks.  
Applications, immediately, to Group Secretary, West Dorset H.M.C., Damers Road, Dorchester, stating dates available.  
C 5741



## EDUCATIONAL

LONDON COLLEGE OF  
PHARMACY AND CHEMISTRY  
FOR WOMEN

7 Westbourne Park Road, W.2

Established 1892

The only College in S.E. England teaching exclusively for the Assistants-in-Dispensing Examination of the Society of Apothecaries. Enrolling now for six months' full-time or 2-year part-time course for Student Dispensers under 1956 Regulations, 100 per cent. Examination successes in 1958. C 404

SITUATIONS VACANT  
RETAIL (HOME)

**LONDON CO-OPERATIVE CHEMISTS, LTD.**, are desirous of obtaining the services of Pharmacists for a tour of duties in the London area. Salary to be paid will be commensurate with the duties involved and third-class travelling expenses would be allowed. Applications to Chief Pharmacist, Grange Road, Leyton, E.10, when an appointment will be arranged to discuss terms, etc. C 3092

**OLDHAM CO-OPERATIVE CHEMISTS, LTD.**, invite applications for the position of pharmacy branch manager, either sex. Modern accommodation available if necessary. Superannuation. Salary and other emoluments at least £960. Applications giving age, experience, etc., to Oldham Co-operative Chemists, Ltd., King Street, Oldham. C 454

**PORTSEA ISLAND SOCIETY.** An assistant Chemist required for pharmacy section of departmental store, male or female. Applications in writing, giving full details of age, experience, date qualified and wage required to the Personnel Manager, Co-operative, 110 Fratton Road, Portsmouth. C 3100

**SCOTLAND, S.E.:** Unqualified lady required for counter. Must be fully experienced with knowledge of cosmetics and display and possess first-class references. Capable of taking charge of junior staff. This is an excellent opportunity for a lady of outstanding ability and initiative. Applications to H. T. Thomas, M.P.S., J. M. Massey & Co., 15 Square, Kelso. C 3098

**UNQUALIFIED ASSISTANT.** London Co-operative Chemists, Ltd., have vacancies for experienced Male Assistants in the greater London area. Good salary and bonus with Superannuation benefits will be paid to successful applicants. Apply: The Superintendent Chemist, London Co-operative Chemists, Ltd., Grange Road, Leyton, E.10. C 3091

## WHOLESALE

ALLEN & HANBURY, LTD.,  
BETHNAL GREEN, LONDON, E.2  
Representative

A pharmacist is required to call on Doctors and Consultants in hospitals in the Birmingham area. Salary commensurate with qualifications and experience and training will be given. The post is pensionable; expenses are paid and a car provided. Applications giving full details should be sent to the Personnel Manager, quoting reference RB. C 5748

**GENERAL MANAGER REQUIRED** by old-established manufacturing chemists in the north Manchester area. A wide experience is required in all manufacturing problems, including plant, time study, administration and shaping production policy. The type of candidate required is one who holds a position either as works manager or assistant works manager with a sizeable organisation. The preferred age is 30/40 years, and a substantial salary will be paid. Written applications should be sent, in complete confidence, to: Managing Director, Box C 3085.

**WAREHOUSE MANAGER** and warehouse foreman required for new factory Surrey area handling large volume small articles for retail trade. Excellent prospects. Non-contributory pension scheme. Write full details Box CD 685 LPE Romano House, 399/401 Strand, London, W.C.2. C 5745

PHARMACISTS REQUIRED IN H.M. PRISON SERVICE  
CHIEF AND BASIC GRADE

(Open to Men and Women registered Pharmacists)

MAN or WOMAN aged 25 or over required for a CATEGORY II POST at H.M. PRISON, PENTONVILLE, LONDON, N.7. Salary scale £895-£1,200 PLUS London allowance of £40-£50.

MAN required for a BASIC GRADE POST at H.M. PRISON, WORMWOOD SCRUBS, LONDON, W.12. Salary scale £690-£920 PLUS London Weighting allowance of £30-£40.

STARTING PAY ABOVE MINIMUM in some cases. ADDITIONAL ALLOWANCE OF £25 for higher qualifications. FIVE DAY WEEK. POSTS SUPERANNUABLE under N.H.S. superannuation scheme.

Apply Establishment Officer, Prison Commission, Horseferry House, J.B./219 Dean Ryle Street, London, S.W.1. Closing date 18.8.60. C 5735

## THE CROOKES LABORATORIES LIMITED

require a representative to cover the territory comprising North Lancashire, Westmorland and Cumberland. A pharmaceutical qualification or adequate technical background is essential. The appointment is superannuated and well-remunerated with progressive salary, adequate expense allowance and commission directly associated with territorial results. Promotion is possible either in the U.K. or to overseas positions. Only candidates with keen desire to progress should apply in writing with full details regarding age and past experience to the Sales Director, The Crookes Laboratories Limited, Gorst Road, Park Royal, N.W.10. C 5742

## REPRESENTATIVES

A firm of Manufacturing Chemists (London) with rapidly expanding interests in the ethical field have vacancies for two representatives to call on doctors, hospitals and retail chemists in:-

1. Kent, Surrey and Sussex.
2. London, E., E.C., S.E., W.C.

Applicants should have a sound general education and preferably with a pharmaceutical or medical background. Age 25 to 35. Salary and commission, expenses, company car, superannuation scheme. Write in confidence with full details to Sales Manager, Box C 5717.

## LOFTHOUSE &amp; SALTNER, LTD.,

Manufacturing Chemists,

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have a vacancy for a young Pharmaceutical Chemist in their Laboratory.

At first, the work will consist, mainly, of analytical control of pharmaceuticals, but this permanent position offers scope to an enthusiastic pharmacist who wishes to join a progressive provincial Company with a view to eventual managerial status.

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Apply, in writing in the first instance, to:-

Managing Director,  
Lofthouse & Saltner, Ltd.,  
Leonard Street, Hull

C 5751

**LONDON** manufacturers of ethical products have opening for representative to call on profession and trade. Position involves continuous travel on Continent and overseas after initial training. Knowledge of Spanish or Italian desirable. Box C 544.

**PROMOTION** within the company will shortly create vacancies for sales representatives on (1) Derby, Notts, Lines area; (2) Leics, Northants, Beds area, to call on retail chemists, selling nationally advertised santowels, surgical dressings and chemists' sundries. Opportunity for men of proved selling ability to further expand sound connection and rising turnover. Attractive basic salary plus commission and expenses. Company car changed annually. Non-contributory pension scheme. In the first place details of selling experience, stating age should be sent to: Sales Director, Macdonald & Son, Ltd., Portland Mill, Ashton-under-Lyne, Lancs. C 5716

**TABLET GRANULATOR**, experienced, required. Good wages and conditions. Holiday honoured. No Saturdays. Write, call or phone Mark Morris, Pharmaceutical Supplies, Ltd., Green Lane, Hounslow. Phone: Hounslow 8615. C 543



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*in*

**Northern Ireland**

## **SMITH KLINE and FRENCH LABORATORIES LIMITED**

invite applications for the post of  
**PROFESSIONAL SERVICE REPRESENTATIVE**  
in the vacant Northern Ireland territory

This is a highly specialised professional appointment concerned with the personal promotion of a first-class range of ethical pharmaceutical products to the Medical Profession.

The successful candidate should be between 25 and 40 years of age and is visualised as being a graduate in Pharmacy or Science or as having a Medical background. An intensive course of training will be given and completion of this will be a condition of continued employment.

A good starting salary is offered and will be progressive on a merit basis. A car will be provided, and a generous expense allowance, together with a non-contributory Pension and Life Assurance Scheme, are among the benefits offered.

This is a permanent, progressive appointment where reward is directly geared to effort.

*Those wishing to apply should write, giving fullest details considered relevant, to:—*



**THE PERSONNEL OFFICER  
SMITH KLINE & FRENCH LABORATORIES LTD.**  
Mundells, Welwyn Garden City, Herts.

*quoting Reference No. J9939*

C 5743

## **EXPORT SALES MANAGER**

### **PHARMACEUTICAL DEPARTMENT**

British Schering Limited, manufacturers of ethical medical specialities, who market their products throughout the world, have a vacancy for an Export Sales Manager.

Applicants, aged 30 to 40 should have at least four years' experience of Export Management, including overseas tours and the appointment of agents and representatives.

They should in particular be conversant with the drafting and implementation of sales promotional programmes in their broadest aspects.

The appointment provides full scope for initiative and advancement and the successful candidate will receive an adequate financial incentive.

Export operations are based on London and involve a certain amount of overseas travel.

A Company superannuation scheme is in operation.

**Applications should be addressed in confidence to :**  
**The Sales Director, British Schering Limited,**  
**229/231, Kensington High Street, London, W.8**

C 5728



**Situations Vacant—Continued**

**THE BRITISH DRUG HOUSES, LTD.,** have an interesting vacancy at their Nottingham Depot for a man or woman with knowledge of ethical and proprietary medicines and drugs, preferably with dispensing experience, to undertake the duties of Order and Pricing Clerk. Training will be given in clerical procedures. Apply in writing stating age, experience and salary required to the Manager (CM/DW), The British Drug Houses, Ltd., Triumph Road, Lenton, Nottingham, C 5738

**WELL-KNOWN** Fine Chemical Manufacturing Company, near Liverpool, have a vacancy for a young male pharmacist to assist in the manufacture and development of pharmaceutical products and tablets. The successful applicant, after one or two years in which to gain experience, may be required to spend about 18 months in the Middle East. Applications should be made in writing, stating age and previous experience to Box C 5732.

**WORKS PHARMACIST/CHEMIST**

A prominent organisation manufacturing mainly pharmaceuticals requires a pharmacist or chemist to be responsible for technical aspects of production at a new factory near London. Considerable production experience in the pharmaceutical or an allied industry is called for, together with proven ability to control staff. Prospects for the successful candidate are first class.

Applicants should be in the age group 28 to 40, and must be either registered pharmacists or corporate members of the Royal Institute of Chemistry. A commencing salary of the order of £1,500 per annum is envisaged.

Applications stating age, experience and qualifications should be addressed to G/4 Box C 5740.

**SITUATIONS WANTED  
WHOLESALE**

**AMBITIOUS GENTLEMAN, 34,** 15 years' wholesale experience sales invoice/buying offices/stock rooms seeks promotion. Used to staff control, North England preferred, Box C 3097.

**FREE-LANCE** traveller calling on chemists. Your help, please. Box C 3086.

**AGENCIES WANTED**

**ACTIVE YOUNG AGENT** available to represent one additional company to established connection among principal wholesale and multiple grocers in North, East London and City areas. Write, Box No. 1953, c/o Abbots, Eastcheap, London, E.C.3. C 5701

**BUSINESS OPPORTUNITIES**

**LIGHT, EASILY MAILED PRODUCTS** (may be proprietary or pharmaceutical or of general interest), suitable for Canadian mail order to public. Selling price from 4/- to 10/-. Must be reliable product of reputable manufacturer, and not already on the Canadian market. C 3095.

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**ALL KINDS OF BOTTLES, JARS, SCREW CAPS,** cartons, packaging materials and manufacturers' stocks of all kinds bought at fair prices for spot cash. We are buyers of merchandise of EVERY DESCRIPTION. Clearance Stocks. Discontinued lines. Surplus and Redundant Stocks. Should you have anything for disposal, please send us samples and particulars. Reliance Trading Co., 75 Fairfax Road, Swiss Cottage, London, N.W.6. Tel.: Kilburn 0581 and 0038. C 153

**SURPLUS CAMERAS, ENLARGERS, CINE CAMERAS & PROJECTORS, PHOTOGRAPHIC EQUIPMENT OF EVERY DESCRIPTION, SURPLUS AND OUTDATED FILM & PAPER.** Phone, write or call:—

**SPEARS**  
(Dept. D.), Watling Street, Shudehill, Manchester.

Phone: Blackfriars 9432 (5 lines)  
Bankers: Midland Bank, Ltd.

C 438

**URGENTLY** required for cash, chemists' surplus stocks, bulk or part, particularly toilets, cosmetics, sundries, discontinued manufacturers' lines welcomed. Films, photographic equipment, sunglasses, binoculars, electric razors, Christmas coffrets and fancy goods, etc. Write immediately to Reginald Loftus, 263 Portwood Road, Southampton. Tel.: 54757. C 521

**WE WILL PURCHASE** for cash a complete stock, a redundant line, including finished or partly finished goods, packing raw materials, etc. No quantity too large. Our representative will call anywhere. Write or telephone:—Lawrance Edwards & Co., Ltd., 6/7 Wellington Close, Ledbury Road, London, W.11. Tel.: Bayswater 4020 and 7692. C 140

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MANAGEMENT COMMITTEE****TENDERS FOR THE SUPPLY OF  
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The above Hospital Management Committee invites tenders for the supply of DRUGS to hospitals and sanatoria in the Group for the twelve months commencing 1st October, 1960. Forms of Tender and General Conditions of Contract may be obtained on application to the undersigned. Sealed Tenders in the addressed envelope provided must be received at the offices of the above Hospital Management Committee not later than 10 a.m. on Saturday, 20th August, 1960.

The Committee does not bind itself to accept the lowest or any tender.

**WILLIAM ROBERTS,**  
Group Secretary,

"Rhianfa,"  
Russell Road,  
RHYL.  
July 1960.

C 5730

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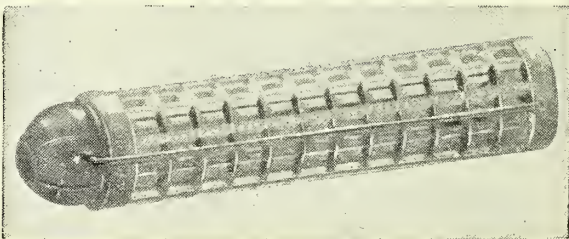
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